

20040110.qrp v03\_n161.qrl.20040110

Date: Sat, 10 Jan 2004 19:03:13 EST  
From: qrp-l@Lehigh.EDU  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: QRP-L digest 3161

QRP-L Digest 3161

Topics covered in this issue include:

- 1) [164916] WTB - J-38 part(s)  
by Stephen Wandling <stephen@SwiftsureConsulting.com>
- 2) [164917] Re: QRP computer  
by Bruce Muscolino <w6toy@erols.com>
- 3) [164918] Re: Google and batteries  
by "carl seyersdahl" <carlseye@tampabay.rr.com>
- 4) [164919] FS: Heathkit SMT course  
by "AI2Q" <ai2q@adelphia.net>
- 5) [164920] Re: anyone build the DSW-2?  
by <bill@n4qa.com>
- 6) [164921] Re: anyone build the DSW-2?  
by <bill@n4qa.com>
- 7) [164922] Re: QRP computer  
by "carl seyersdahl" <carlseye@tampabay.rr.com>
- 8) [164923] Re: QRP computer  
by Curt Milton <wb8yyy@yahoo.com>
- 9) [164924] RE: Elmer 160: Lesson 5  
by "KennyMac" <killmodell@earthlink.net>
- 10) [164925] Re: FOX: Lucky Again!  
by "K2PQ" <k2pq@comcast.net>
- 11) [164926] Re: QRP computer  
by "Mike Yetsko" <myetsko@insydesw.com>
- 12) [164927] 3 Beacons on 80 Tonite 3729, 3730, 3731  
by Chuck Carpenter <w5usj@9plus.net>
- 13) [164928] Re: QRP computer  
by Paul Mills <quahog@localnet.com>
- 14) [164929] Re: QRP computer  
by "Brian Murrey" <brian@iquest.net>
- 15) [164930] Re: Google and batteries  
by Lee Mairs <lmairs@direcway.com>
- 16) [164931] Ref. 3731 Beacon  
by George Franklin <w0av@juno.com>
- 17) [164932] Re: FOX: Lucky Again!  
by Karl Larsen <k5di@zianet.com>
- 18) [164933] Re: FOX: Lucky Again!  
by "George, W5YR" <w5yr@att.net>
- 19) [164934] Yesterday and today!

- by Karl Larsen <k5di@zianet.com>
- 20) [164935] 3730 Beacon Reception - Jan 09  
by "Joe Mann" <joemann@chicagonet.net>
- 21) [164936] Beacons Stations Copied (correction)  
by "Don Foster" <k5kw@azalea.net>
- 22) [164937] Beacon Stations Copied  
by "Don Foster" <k5kw@azalea.net>
- 23) [164938] Re: HDA all tuned up for 3729/3730 KHz QRP beacon reception...  
by Bob Nielsen <nielsen@oz.net>
- 24) [164939] 80 meter Beacons  
by "Jim Sheldon" <w0eb@cox.net>
- 25) [164940] Re: QRP computer  
by "Steve Yates - AA5TB" <aa5tb@arrl.net>
- 26) [164941] Beacons copied  
by "Mike Majority" <n4vbv@earthlink.net>
- 27) [164942] Re: QRP computer  
by Lee Mairs <lmairs@direcway.com>
- 28) [164943] Re: QRP computer  
by Lee Mairs <lmairs@direcway.com>
- 29) [164944] Re: QRP computer  
by Bob KB2FEL <kb2fel@yahoo.com>
- 30) [164945] Beacons on 80m  
by Chuck Adams <k7qo@commspeed.net>
- 31) [164946] Re: 3 Beacons on 80 Tonite 3729, 3730, 3731  
by "M.M." <markem@cox.net>
- 32) [164947] GPS Use.  
by "John Paul Keon" <jpkeon@nc.rr.com>
- 33) [164948] Re: 3 Beacons on 80 Tonite 3729, 3730, 3731  
by Dan Harriman <kc5gxl@sbcglobal.net>
- 34) [164949] Re: anyone build the DSW-2?  
by "Dennis Ponsness" <wb0wao@hotmail.com>
- 35) [164950] Re: Beacons on 80m  
by John Oppenheimer <kn5l@gte.net>
- 36) [164951] AZ-SCORP Paddle :)  
by Adrian Weiss <adeweiss@sd.value.net>
- 37) [164952] KB9ZUR/B 80 Meter Beacon Report  
by "Jeff Imel" <jeffimel@hotmail.com>
- 38) [164953] Re: anyone build the DSW-2?  
by "Bob Baxter" <rbaxter@cybertrails.com>
- 39) [164954] Re: QRP computer  
by "Thom R. Lacosta" <lacosta@bcpl.net>
- 40) [164955] Q: Compact Paddle Opinions  
by "jdanter" <jdanter@mail.i-america.net>
- 41) [164956] QRP computer Antilog  
by John R Kirby <n3aaz-qrp@juno.com>
- 42) [164957] Beacons 3 on 80 -- Thanks All!  
by Chuck Carpenter <w5usj@9plus.net>
- 43) [164958] Re: GPS Use.

- by VE3JC John Cumming <jbcumming@wwdc.com>
- 44) [164959] Re: GPS Use.  
by Mike B <kw1nd@comcast.net>
- 45) [164960] KB9ZUR Beacon audio for last night  
by John Oppenheimer <john@KN5L.net>
- 46) [164961] Re: anyone build the DSW-2?  
by "E. Roswell" <eroswell@monmouth.com>
- 47) [164962] Re: GPS Use.  
by Steve.Lawrence@ITWFEG.COM
- 48) [164963] Re: 3 Beacons  
by "sslyon" <sslyon@megalink.net>
- 49) [164964] Cold = antenna work  
by Richard Lim <richlim11@yahoo.com>
- 50) [164965] Sunday Morning SSB/CW QRP Net  
by "Ken La Rose" <kenlar@csolve.net>
- 51) [164966] Re: 3 Beacons (absorption)  
by "Nick Kennedy" <wa5bdu@tcainternet.com>
- 52) [164967] Re: Cold = antenna work  
by Chris Cartwright <ccart@phideaux.com>
- 53) [164968] Last evening's 80m beacons...  
by "Bill, N4QA" <n4qa@hotmail.com>
- 54) [164969] Beacons: (arboreal absorption)  
by "sslyon" <sslyon@megalink.net>
- 55) [164970] Free QST's to a good home  
by John Oppenheimer <john@KN5L.net>
- 56) [164971] Re: Cold = antenna work  
by Al Scanandoah <k2zn@rochester.rr.com>
- 57) [164972] Re: Cold = antenna work  
by Lee Mairs <lmairs@direcway.com>
- 58) [164973] Converting the iambic Bencher to a Single Lever  
by W0rw@aol.com
- 59) [164974] KX1 Caution at Q6  
by W0rw@aol.com
- 60) [164975] Re: Cold = antenna work  
by John Sielke <jsielke@pobox.com>
- 61) [164976] Computing (was QRP Computers)  
by Bruce Muscolino <w6toy@erols.com>
- 62) [164977] Re: anyone build the DSW-2?  
by "John" <digi2@earthlink.net>
- 63) [164978] Scorpion paddle warning - finishing/wire  
by "Mike WA8BXN" <hubby2k@hotmail.com>
- 64) [164979] RE: Q: Compact Paddle Opinions  
by "Thomas Lewis" <thomas\_h\_lewis@msn.com>
- 65) [164980] Re: Beacons: (arboreal absorption)  
by Chuck Carpenter <w5usj@9plus.net>
- 66) [164981] Re: Free QST's to a good home  
by Donald E Sanders <w4bws@juno.com>
- 67) [164982] Re: Computing (was QRP Computers)

- by John Somerville <forthman@shaw.ca>
- 68) [164983] Balun help needed...  
by Ken <kloc@commspeed.net>
- 69) [164984] Fox - Fox Hunt Teams Results...  
by "ratray" <ratray@accesscomm.ca>
- 70) [164985] Re: FS: DSW-II 20 meter  
by Mike B <kw1nd@comcast.net>
- 71) [164986] Fox Prelim Log  
by kd5kxf <kd5kxf@classicnet.net>
- 72) [164987] Re: Computing (was QRP Computers)  
by kd5kxf <kd5kxf@classicnet.net>
- 73) [164988] Re: Balun help needed...  
by Chris Cartwright <ccart@phideaux.com>
- 74) [164989] RE: [qrp-l] Balun help needed...  
by "Nick Kennedy" <wa5bdu@tcainet.net>
- 75) [164990] Re: Computing (was QRP Computers)  
by Lee Mairs <lmairs@direcway.com>
- 76) [164991] RE: Computing (was QRP Computers)  
by "J. Michael Thurman" <jmthurman@centurytel.net>
- 77) [164992] Re: Monday Stream - 7.040 returns  
by "Paul Valko - W8KC" <w8kc@comcast.net>
- 78) [164993] Re: Computing (was QRP Computers)  
by Bob Nielsen <nielsen@oz.net>
- 79) [164994] 3 Beacons Tonite on 80 -- One More Time  
by Chuck Carpenter <w5usj@9plus.net>
- 80) [164995] Re: Beacons: (arboreal absorption)  
by "sslyon" <sslyon@megalink.net>
- 81) [164996] KB9ZUR/B Station Information  
by "Jeff Imel" <jeffimel@hotmail.com>
- 82) [164997] Re: Computing (was QRP Computers)  
by Bob W7AVK <rsrolfne@atnet.net>
- 83) [164998] AZ ScQRPians Kit  
by Lee Mairs <lmairs@direcway.com>
- 84) [164999] Cabrillo logs  
by "Juan Ferrari" <puntrad@usa.net>
- 85) [165000] Re: AZ ScQRPians Kit  
by Chuck Adams <k7qo@commspeed.net>

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Date: Fri, 09 Jan 2004 15:33:02 -0800  
From: Stephen Wandling <stephen@SwiftsureConsulting.com>  
To: unlisted-recipients;; (no To-header on input)  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [164916] WTB - J-38 part(s)  
Message-ID: <3FFF3A2E.8050204@SwiftsureConsulting.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1; format=flowed

Content-Transfer-Encoding: 7bit

I've just received a Lionel J-38 I purchased from the Internet. This is either a brand new key or one that has been refurbished. I haven't totally rejected the idea that it might be a replica, because it just looks "too new".

But, the biggest problem is that it has the wrong spring. The one supplied is too big in all directions and too stiff even when the adjustment is backed off fully.

Does anyone have some parts for J-38's laying around? The spring I really need and I would also be interested in a key knob and shorting switch knob. Spares for US surplus is much harder to find here in Canada.

Stephen

-----  
Date: Fri, 09 Jan 2004 18:29:33 -0500  
From: Bruce Muscolino <w6toy@erols.com>  
To: k5di@zianet.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [164917] Re: QRP computer  
Message-ID: <3FFF395D.AEE3D961@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Karl,

Considering how long it took to condense a "modern" high powered digital computer to a small enough size to be carried under your arm it makes the slide rule seem somewhat of a better idea.

Slide rules depended on the discovery of the logarithm. Digital computers did NOT depend on the discovery of the digit!

Long live the slide rule and other manual techniques, like CW!

73

>  
> I was looking in a drawer and found the computer that got me  
> through almost all my college days. It is a bamboo K&E slide rule serial  
> number 850100. To raise 2.5 to the 1.8 power you get the natural log of  
> 2.5 and 1.8 and multiply them (on the slide rule). Then take the

> anti-log and you have it, 5.2 about.  
>  
>       It takes a lot less time with a modern computer.  
>  
> --  
>  
>               - Karl Larsen k5di Las Cruces,NM Az ScQRPions -

-----  
Date: Fri, 9 Jan 2004 18:45:54 -0500  
From: "carl seyersdahl" <carlseye@tampabay.rr.com>  
To: <lmairs@direcway.com>,  
      "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [164918] Re: Google and batteries  
Message-ID: <015601c3d70b\$87302f80\$073eca44@tampabay.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
              charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

With all due respect to all , what is a "flooded battery" as referred to as  
a "golf cart " battery..!!!

carlo / kz5ca (not too smart on these things0

----- Original Message -----

From: "Lee Mairs" <lmairs@direcway.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Friday, January 09, 2004 5:37 PM  
Subject: Re: Google and batteries

> Karl -  
> If you check the literature, you will find it very clear that Gel Cels are  
> not superior to flooded batteries except in situations where they are  
likely  
> to be turned upside down or when the are located in spots where  
maintenance  
> is all but impossible.  
>  
> The flooded golf cart batteries in my solar powered beach house are  
starting  
> into their 11th year.  
>  
> 73 de Lee  
> KM4YY/8  
>  
> ----- Original Message -----

> From: "Karl Larsen" <k5di@zianet.com>  
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
> Sent: Friday, January 09, 2004 4:52 PM  
> Subject: Google and batteries  
>  
>  
> >  
> > Thanks to the many who jogged my mind that a SLA battery is a  
> > Sealed Lead-Acid. I now need to explain to you all that care, that the  
> > Gell-Cell battery is a subset of all the SLA batteries.  
> >  
> > So to the guy wondering what to do with his Caballas shipment,  
> > keep both batteries, they will function the same.  
> >  
> > I got a .pdf from Google that talks in detail about how the many  
> > SLA types are made and what makes them good. The bottom line is that  
> > SLA's are expensive, but do not leak bad acid all over like the cheaper  
> > open battery in your car and RV.  
> >  
> > My SLA is 4.5 Amps at 12 volts and is 3 years old and is still  
> > working just fine. Runs my FT-817 for hours and hours.  
> >  
> > --  
> >  
> > - Karl Larsen k5di Las Cruces,NM Az ScQRPions -  
> >  
> >  
> >  
>

-----  
Date: Fri, 9 Jan 2004 19:25:58 -0500  
From: "AI2Q" <ai2q@adelphia.net>  
To: "QRP-L \ (E-mail\)" <qrp-l@Lehigh.EDU>  
Subject: [164919] FS: Heathkit SMT course  
Message-ID: <000001c3d710\$532220e0\$6401a8c0@agstme.adelphia.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 8bit

For sale:

1 ea. Heathkit Educational Systems surface-mount technology (SMT) course.

The course materials are new and unopened. In addition to a 112-page

3-ring-punched 8-1/2 x 11 illustrated course manual entitled Fundamentals of Surface Mount Technology, by Forrest Mims III, the course includes three SMT modules. These modules are new and unused.

The first, Heath p/n 305-134, is a practice PC board kit. It includes two boards with footprints for practicing soldering with 1206 and SOT-23 packages. This module includes ten assorted 1206 resistors and capacitors, five 2N2222 transistors in SOT-23 packages, and five SOT-23 1N914 diodes. The module also includes solder wick and 25-mil solder. The module comes in a clear plastic enclosure that is partitioned to hold the various SMT devices. The enclosure could probably house a QRP rig!

Heath Module 305-133 is an 8-element bargraph kit. It also includes a compartmented plastic box, eight red SMT LEDs and one green one, asst. resistors, and two SMT-type LM339 quad comparator chips. It also includes a coin-cell holder and printed circuit board.

Heath Module 305-132 is a 555-based oscillator kit. It includes all resistors and caps, an SO-8-packaged 555 timer chip, a piezo sounder, and a phototransistor.

The course includes 62 binder pages of Heathkit's Instructor's Guide that complements the manual.

JPEGs available.

\$59 plus shipping.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L #687  
<http://users.adelphia.net/~alexmm/ai2q.htm>

..-.-

-----  
Date: Fri, 9 Jan 2004 19:30:36 -0500  
From: <bill@n4qa.com>  
To: <qrp-l@Lehigh.EDU>  
Subject: [164920] Re: anyone build the DSW-2?  
Message-ID: <006c01c3d710\$f88f5f20\$8924ad80@f1n5n8>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi, Carl and group,



I'm Glad you asked that question...oh, wait...there were two questions in there...

The answer to your first question is found at:

<http://www.n4qa.com>

Once there, click on the link for DSWMULTI.

The answer to your second question requires a flipped sign...I'm talking about flipping the implied sign preceding the "100" in the text of your message :0)

73.

Bill, N4QA

<http://www.n4qa.com>

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Date: Fri, 9 Jan 2004 19:34:49 -0500  
From: <bill@n4qa.com>  
To: <qrp-1@Lehigh.EDU>  
Subject: [164921] Re: anyone build the DSW-2?  
Message-ID: <007401c3d711\$8fa559a0\$8924ad80@f1n5n8>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hey, Carl,  
Oopsie!,  
Make that:  
<http://www.n4qa.com>  
Just like the one below the signature line :0)

73.

Bill, N4QA

<http://www.n4qa.com>

-----  
Date: Fri, 9 Jan 2004 19:44:15 -0500  
From: "carl seyersdahl" <carlseye@tampabay.rr.com>  
To: <w6toy@erols.com>,  
        "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [164922] Re: QRP computer  
Message-ID: <016401c3d712\$e007da20\$073eca44@tampabay.rr.com>  
MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

This is just another "memory" but when I went to "signal school" at Ft. Monmouth , NJ, in 1948/49 we used a "circular slide rule" mfr. unknown , but it's all we had and it did it's role very well. told us about input and output dbs, etc.

aaahhh the memories. Didn't have computers back then!!!!

carl / kz5ca

----- Original Message -----

From: "Bruce Muscolino" <w6toy@erols.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Friday, January 09, 2004 6:29 PM

Subject: Re: QRP computer

> Karl,

>

> Considering how long it took to condense a "modern" high powered digital  
> computer to a small enough size to be carried under your arm it makes  
> the slide rule seem somewhat of a better idea.

>

> Slide rules depended on the discovery of the logarithm. Digital  
> computers did NOT depend on the discovery of the digit!

>

> Long live the slide rule and other manual techniques, like CW!

>

> 73

>

> >

> > I was looking in a drawer and found the computer that got me  
> > through almost all my college days. It is a bamboo K&E slide rule serial  
> > number 850100. To raise 2.5 to the 1.8 power you get the natural log of  
> > 2.5 and 1.8 and multiply them (on the slide rule). Then take the  
> > anti-log and you have it, 5.2 about.

> >

> > It takes a lot less time with a modern computer.

> >

> > --

> >

> > - Karl Larsen k5di Las Cruces,NM Az ScQRPions -

>

>

-----

Date: Fri, 9 Jan 2004 17:19:27 -0800 (PST)  
From: Curt Milton <wb8yyy@yahoo.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [164923] Re: QRP computer  
Message-ID: <20040110011927.43836.qmail@web60809.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Yes slide rules let you "see" logarithms so you understand how to multiply by adding. They should be retained as a teaching tool!

We joked 20 years ago in college about needing to take future students to a museum to understand "clockwise" but analog watches have survived (yes most of us can read one faster than a digital one).

I do remember a lab where we used analog computers, not for math but to simulate control system algorithms.

And back then we thought computers were only for math!

curt wb8yyy

--- carl seyersdahl <carlseye@tampabay.rr.com> wrote:  
> This is just another "memory" but when I went to  
> "signal school" at Ft.  
> Monmouth , NJ, in 1948/49 we used a "circular slide  
> rule" mfr. unknown , but  
> it's all we had and it did it's role very well. told  
> us about input and  
> output dbs, etc.  
> aaahhh the memories. Didn't have computers back  
> then!!!!  
> carl / kz5ca

-----  
Do you Yahoo!?

Yahoo! Hotjobs: Enter the "Signing Bonus" Sweepstakes  
<http://hotjobs.sweepstakes.yahoo.com/signingbonus>

-----  
Date: Fri, 9 Jan 2004 20:37:21 -0500  
From: "KennyMac" <killmodell@earthlink.net>

To: "'Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>  
Subject: [164924] RE: Elmer 160: Lesson 5  
Message-ID: <000e01c3d71a\$4b3175c0\$0ca0b83f@toledopc.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="us-ascii"  
Content-Transfer-Encoding: 7bit

I echo those sentiments. I am loving this class. Thank you for your time and effort, it is very much appreciated. I just wish my PIC kits would get here ...

Just wanted to say thank you. Can't wait to play with some audio :)

Ken

[illegible]

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf  
Of John Bohnert  
Sent: Friday, January 09, 2004 3:44 PM  
To: Low Power Amateur Radio Discussion  
Subject: Elmer 160: Lesson 5

I thank WB8RCR for his lessons and his willingness to Elmer this 'novice.'

I have learned a great deal as a result of his commitment to amateur radio and the subscribers of QRP-L.

72  
N9KW  
John

Date: Fri, 9 Jan 2004 20:51:22 -0500  
From: "K2PQ" <k2pq@comcast.net>  
To: "qrp-1" <qrp-1@lehigh.edu>  
Subject: [164925] Re: FOX: Lucky Again!  
Message-ID: <007c01c3d71c\$3ff14b20\$6600a8c0@DOWNSTAIRS>  
MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> > George, W5TR, says he's lucky. I beg to disagree: It's his skill.  
> >  
> >  
> > Tom, N1TP  
> > Naples, Florida  
> >  
> > P.S. George is a Pesky Texan.  
>

> W5TR appreciates the kind words, but W5YR does even more so! <:}  
>  
> You are too kind, Tom, but I love to hear you say things like that.  
  
> The first year I started Foxing, I got two pelts all year.  
>  
> So, thanks again, Tom - no promises for 39/40 other than the commitment to  
>  
>  
> 73, George W5YR  
> w5yr@att.net  
>

There are a lot of good ops like George out there who instead of complaining about conditions go out and make the Hunts fun events.

When I got into Qrp a few years back I had been off CW for 18 yrs. Never was a tester. CW was more than rusty.  
Was lucky that I had time to work about half the hunts that year because it quickly improved my skills .  
I couldn't believe how much it helped compared to just making contacts.

Hope to have more time now to participate. And now that it's a little more difficult ( like a Fox Hunt ) it's piqued my interest.

Think I'll hang some wire this weekend and try to snare a fox or two next week.

Much thanks to the Committee, Foxii, Hounds .... and ... well ... ok.. the Pesky Texans too.

Frank ... K2PQ

-----  
Date: Fri, 9 Jan 2004 20:45:13 -0500  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <carlseye@tampabay.rr.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [164926] Re: QRP computer  
Message-ID: <011001c3d71b\$7454a8e0\$0200a8c0@charter.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> This is just another "memory" but when I went to "signal school" at Ft.  
> Monmouth , NJ, in 1948/49 we used a "circular slide rule" mfr. unknown ,  
but  
> it's all we had and it did it's role very well. told us about input and  
> output dbs, etc.  
> aaahhh the memories. Didn't have computers back then!!!!  
> carl / kz5ca

I think both K&E and Pickett made circulars. I know for sure that  
Pickett did, as I had one, about 1970 or so. I also had a little 6"  
Pickett, as well as a LL0 and a LL1. I still have one of the full  
size Picketts, I think the LL0, but I'd have to check.

The fall of '73 I went over to an HP-45...

-----  
Date: Fri, 09 Jan 2004 19:59:30 -0600  
From: Chuck Carpenter <w5usj@9plus.net>  
To: qrp-1@lehigh.edu  
Subject: [164927] 3 Beacons on 80 Tonite 3729, 3730, 3731  
Message-ID: <3.0.2.32.20040109195930.006b30b4@mail.9plus.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Folks,

Now triple the fun...

Add Bill, WV7G, to the beacon crew. He will be running 5 W to a vertical.  
Listen for him on 3.731 MHz. He will run from 0200 to 0500 tonite.

Bill is in Arizona along with Jeff in Illinois and me in Texas.

QSL to him directly <mailto:ww7g@arrl.net>

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1  
QRP-ARCI #5422, QRP-L #1306, QRPp-I #115, ARS #1280, SOC #57  
Zombie #759, COG #11, 6 Club #201, FP #601 <http://www.netxqrp.org>

-----  
Date: Sat, 10 Jan 2004 02:06:01 +0000 (UTC)  
From: Paul Mills <[quahog@localnet.com](mailto:quahog@localnet.com)>  
To: Low Power Amateur Radio Discussion <[qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)>  
Subject: [164928] Re: QRP computer  
Message-ID: <[Pine.LNX.4.53.0401100200000.914@daystar.localnet.com](mailto:Pine.LNX.4.53.0401100200000.914@daystar.localnet.com)>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

One day back in the mid-eighties, when I was working in a civil engineering office, there was a blackout. We were working on a road project that had a drop-dead date that was pretty short. I dug through my junk and came up with an old slipstick and proceeded to compute station elevations using chord-gradient method with it. The young guys were curious/skeptical/impressed. The boss made one of them check my calcs. For a brief, shining moment, I WAS A GOD!!!

Paul KB1GEJ

On Fri, 9 Jan 2004, Karl Larsen wrote:

>  
> I was looking in a drawer and found the computer that got me  
> through almost all my college days. It is a bamboo K&E slide rule serial  
> number 850100. To raise 2.5 to the 1.8 power you get the natural log of  
> 2.5 and 1.8 and multiply them (on the slide rule). Then take the  
> anti-log and you have it, 5.2 about.

>  
> It takes a lot less time with a modern computer.

>  
> --

>  
> - Karl Larsen k5di Las Cruces, NM Az ScQRPions -

>  
>

-----

Date: Fri, 9 Jan 2004 21:29:14 -0500  
From: "Brian Murrey" <brian@iquest.net>  
To: <carlseye@tampabay.rr.com>,  
      "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [164929] Re: QRP computer  
Message-ID: <00cc01c3d721\$8a71eb00\$02fea8c0@bjmw2k>  
MIME-Version: 1.0  
Content-Type: text/plain;  
              charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I took a tour of the Battleship North Carolina this summer...it had a firing computer that controlled the big guns.

It wasn't digital, but it was a computer, far more sophisticated than Mr. Babbage's machine.

73

----- Original Message -----

From: "carl seyersdahl" <carlseye@tampabay.rr.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Friday, January 09, 2004 7:44 PM  
Subject: Re: QRP computer

> This is just another "memory" but when I went to "signal school" at Ft.  
> Monmouth , NJ, in 1948/49 we used a "circular slide rule" mfr. unknown  
> , but  
> it's all we had and it did it's role very well. told us about input  
> and  
> output dbs, etc.  
>     aaahhh the memories. Didn't have computers back then!!!!  
>     carl / kz5ca  
> ----- Original Message -----  
> From: "Bruce Muscolino" <w6toy@erols.com>  
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
> Sent: Friday, January 09, 2004 6:29 PM  
> Subject: Re: QRP computer  
>  
>  
> > Karl,



> >  
> > Considering how long it took to condense a "modern" high powered  
digital  
> > computer to a small enough size to be carried under your arm it  
makes  
> > the slide rule seem somewhat of a better idea.  
> >  
> > Slide rules depended on the discovery of the logarithm. Digital  
> > computers did NOT depend on the discovery of the digit!  
> >  
> > Long live the slide rule and other manual techniques, like CW!  
> >  
> > 73  
> >  
> > >  
> > > I was looking in a drawer and found the computer that got  
me  
> > > through almost all my college days. It is a bamboo K&E slide rule  
serial  
> > > number 850100. To raise 2.5 to the 1.8 power you get the natural  
log of  
> > > 2.5 and 1.8 and multiply them (on the slide rule). Then take the  
> > > anti-log and you have it, 5.2 about.  
> > >  
> > > It takes a lot less time with a modern computer.  
> > >  
> > > --  
> > >  
> > > - Karl Larsen k5di Las Cruces, NM Az ScQRPions -  
> >  
> >  
>  
>  
>  
>

-----  
Date: Fri, 09 Jan 2004 21:26:59 -0500  
From: Lee Mairs <lmairs@direcway.com>  
To: carl seyersdahl <carlseye@tampabay.rr.com>, qrp1 <qrp-1@Lehigh.EDU>  
Subject: [164930] Re: Google and batteries  
Message-ID: <01f301c3d721\$3e8e4670\$0200a8c0@J4>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

A flooded battery is similar to the one in your car - Sulfuric acid and water is the electrolyte. You can measure the specific gravity with a hydrometer, and the electrolyte will come pouring out if you turn the battery upside down. If you are in a boat with salt water in the bilge, you have a problem as salt water plus the electrolyte makes phosgene gas.

The 6 VDC batteries used primarily in golf carts are the only really deep cycle batteries available at a reasonable price. There are a gazillion golf carts, UPSs, and forklifts so you can get one of these at a very attractive price. Trojan T-105s are my favorites, and they can be found in the spring for around \$60 each. Series up two of them and you have a truly deep cycle (you can discharge it to 50% without doing harm) battery with a 220 ampour capacity.

73 de Lee  
KM4YY/8

----- Original Message -----

From: "carl seyersdahl" <carlseye@tampabay.rr.com>  
To: <lmairs@direcway.com>; "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Friday, January 09, 2004 6:45 PM  
Subject: Re: Google and batteries

> With all due respect to all , what is a "flooded battery" as referred to as

> a "golf cart " battery...!!!

> carlo / kz5ca (not too smart on these things0

> ----- Original Message -----

> From: "Lee Mairs" <lmairs@direcway.com>

> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

> Sent: Friday, January 09, 2004 5:37 PM

> Subject: Re: Google and batteries

>

>

> > Karl -

> > If you check the literature, you will find it very clear that Gel Cels are

> > not superior to flooded batteries except in situations where they are  
> likely

> > to be turned upside down or when the are located in spots where  
> maintenance

> > is all but impossible.

> >

> > The flooded golf cart batteries in my solar powered beach house are  
> starting

> > into their 11th year.

> >  
> > 73 de Lee  
> > KM4YY/8  
> >  
> > ----- Original Message -----  
> > From: "Karl Larsen" <k5di@zianet.com>  
> > To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
> > Sent: Friday, January 09, 2004 4:52 PM  
> > Subject: Google and batteries  
> >  
> >  
> > >  
> > > Thanks to the many who jogged my mind that a SLA battery is a  
> > > Sealed Lead-Acid. I now need to explain to you all that care, that the  
> > > Gell-Cell battery is a subset of all the SLA batteries.  
> > >  
> > > So to the guy wondering what to do with his Caballas shipment,  
> > > keep both batteries, they will function the same.  
> > >  
> > > I got a .pdf from Google that talks in detail about how the many  
> > > SLA types are made and what makes them good. The bottom line is that  
> > > SLA's are expensive, but do not leak bad acid all over like the  
cheaper  
> > > open battery in your car and RV.  
> > >  
> > > My SLA is 4.5 Amps at 12 volts and is 3 years old and is still  
> > > working just fine. Runs my FT-817 for hours and hours.  
> > >  
> > > --  
> > >  
> > > - Karl Larsen k5di Las Cruces,NM Az ScQRPions -  
> > >  
> > >  
> >  
>  
>  
>

-----  
Date: Fri, 9 Jan 2004 20:26:57 -0600  
From: George Franklin <w0av@juno.com>  
To: qrp-l@lehigh.edu  
Subject: [164931] Ref. 3731 Beacon  
Message-ID: <20040109.202659.-85152693.3.w0av@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi Bill & All,

I'm hearing WV7G's beacon on 3731 peaking S5 on the TS2K meter at 0225Z.

Also hearing KB9ZUR and W5USJ beacons here in KC MO, EM29SD.

72 de George/W0AV  
Hamming since 1935

-----  
Date: Fri, 9 Jan 2004 19:45:33 -0700 (MST)  
From: Karl Larsen <k5di@zianet.com>  
To: "George, W5YR" <w5yr@att.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [164932] Re: FOX: Lucky Again!  
Message-ID: <Pine.LNX.4.44.0401091936490.5279-1000000@bucket.dog>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 9 Jan 2004, George, W5YR wrote:

> W5TR appreciates the kind words, but W5YR does even more so! <:}  
>  
> You are too kind, Tom, but I love to hear you say things like that. And  
> especially to a Pesky Texan! All in good fun, which is the #1 purpose of the  
> Fox Hunts.  
>  
> The first year I started Foxing, I got two pelts all year. Believe me, it is  
> luck, knowing the band, luck, knowing your equipment (especially the  
> antennas - note the plural), luck, and a little skill in knowing when and  
> where to call. This season, getting in and out early has been essential what  
> with the band acting the way it does.  
>

Well anyone can start calling at 0200 UTC, but you do need to  
hear the Fox...:-) Guys in California will tell you in truth they can't  
hear the Fox at all at 0200.

So George old friend, you live at the proper place, North East  
Texas!

> So, thanks again, Tom - no promises for 39/40 other than the commitment to  
> try my best every week. And that goes for the team as well. After all, the  
> NE-TX Tornados have only won the last two seasons in a row and we were  
> challenged by Doug Hendricks to repeat this season. So far, we are lucky

> there, too - still in First Place.

And I expect you will stay that way. But 40 has been pretty strange this year. I hope next time I am Fox you will get my attention. You have done so every time so far, and early in the Hunt. I have failed in my effort to become a first class Fox. I have missed a lot of little opportunities that I should have grabbed. But with experience it is getting better. I got advice from the top Fox to relax. Best advice I have ever got.

>

> 73, George W5YR

> w5yr@att.net

>

>

> ----- Original Message -----

> From: "palmer\_t" <ThomasPalmer@colliergov.net>

> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

> Sent: Friday, January 09, 2004 2:08 PM

> Subject: Re: FOX: Lucky Again!

>

>

> >

> > George, W5TR, says he's lucky. I beg to disagree: It's his skill.

> >

> > George AGAIN is the ONLY Hound at the top of the "most pelts bagged" list.

> > Not only does George bag his pelts, he almost always bags his pelt within

> > the 1st 30 minutes of each hunt.

> >

> > In the event of a "pelts bagged tie" at the end of the hunting season, and

> > if George ends this Winter Season tied for "most pelts bagged," George

> will

> > probably win FIRST PRIZE if the Committee applies the "golf score method"

> > as the Committee did for the 2000 Summer Season (20 meters) when K0EVZ,

> AJ4Y

> > and AE9F tied by bagging 20 out of 20 pelts.

> >

> > The golf score tie breaking method adds up the total number of hunt

> minutes

> > the "most pelts bagged" Hounds took to bag their winning number of pelts.

> > The Hound with the fewest minutes for the entire season is "GRAND

> CHAMPION."

> >

> > Doc, K0EVZ, was "GRAND CHAMPION" for the Summer of 2000. That wasn't luck

> either!

> >

> > Tom, N1TP  
> > Naples, Florida  
> >  
> > P.S. George is a Pesky Texan.  
>  
>

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

-----  
Date: Fri, 9 Jan 2004 20:45:08 -0600  
From: "George, W5YR" <w5yr@att.net>  
To: "Karl Larsen" <k5di@zianet.com>  
Cc: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [164933] Re: FOX: Lucky Again!  
Message-ID: <019101c3d723\$cad99470\$0401a8c0@PS>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Karl, you too are speaking well appreciated words. Thank you.

I understand the impact location has, especially since my missing Fox was located about 200 miles south of here near Austin. K5TR can be worked from here, but only if he uses the right combination of beams on his stack, etc.

That is why I continue to emphasize luck. My location is good for some of the Foxii and bad for others. How it all turns out is really set up in the first place by who the Foxes are and where they are located.

I really respect those of you who can hold down the Fox chair for two hours. First off, I can't sit that long due to the bum legs, etc. but the main problem is I just can't think and act fast enough to really be a good Fox. I really admire those of you who can take the stress and just roll off one Q after another.

Thanks for your note and comments, Karl. Be listening for you come next Tuesday! Good luck!

73, George W5YR  
w5yr@att.net

----- Original Message -----

From: "Karl Larsen" <k5di@zianet.com>

To: "George, W5YR" <w5yr@att.net>

Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Friday, January 09, 2004 8:45 PM

Subject: Re: FOX: Lucky Again!

> On Fri, 9 Jan 2004, George, W5YR wrote:

>

> > W5TR appreciates the kind words, but W5YR does even more so! <:}

> >

> > You are too kind, Tom, but I love to hear you say things like that. And  
> > especially to a Pesky Texan! All in good fun, which is the #1 purpose of  
the

> > Fox Hunts.

> >

> > The first year I started Foxing, I got two pelts all year. Believe me,  
it is

> > luck, knowing the band, luck, knowing your equipment (especially the  
> > antennas - note the plural), luck, and a little skill in knowing when  
and

> > where to call. This season, getting in and out early has been essential  
what

> > with the band acting the way it does.

> >

> Well anyone can start calling at 0200 UTC, but you do need to  
> hear the Fox...:-) Guys in California will tell you in truth they can't  
> hear the Fox at all at 0200.

>

> So George old friend, you live at the proper place, North East  
> Texas!

>

>

> > So, thanks again, Tom - no promises for 39/40 other than the commitment  
to

> > try my best every week. And that goes for the team as well. After all,  
the

> > NE-TX Tornados have only won the last two seasons in a row and we were  
> > challenged by Doug Hendricks to repeat this season. So far, we are lucky  
> > there, too - still in First Place.

>

> And I expect you will stay that way. But 40 has been pretty  
> strange this year. I hope next time I am Fox you will get my attention.  
> You have done so every time so far, and early in the Hunt. I have failed  
> in my effort to become a first class Fox. I have missed a lot of little  
> oportunities that I should have grabed. But with experiance it is  
> getting better. I got advice from the top Fox to relax. Best advice I

> have ever got.

-----  
Date: Fri, 9 Jan 2004 19:56:28 -0700 (MST)  
From: Karl Larsen <k5di@zianet.com>  
To: qrp-1@lehigh.edu  
Subject: [164934] Yesterday and today!  
Message-ID: <Pine.LNX.4.44.0401091947240.5279-100000@bucket.dog>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I was at NMSU a week ago and watched a couple of young students doing integral calculus. They had Texas Instruments hand calculators that cost \$100 at Best Buy and were plotting the problem's variables and the limits top and bottom and plotting the curve with the area under the curve being the desired answer! To 6 decimal points!

It was like it was Yesterday. One guy would say "let's try this" and a girl would say "did that but it blew up". Then a third with his nose in the \$120 book say's I think I have it!". Pure wonderful learning.

--

- Karl Larsen k5di Las Cruces, NM Az ScQRPions -

-----  
Date: Fri, 9 Jan 2004 20:52:48 -0600  
From: "Joe Mann" <joemann@chicagonet.net>  
To: "qrp-1" <qrp-1@Lehigh.edu>  
Subject: [164935] 3730 Beacon Reception - Jan 09  
Message-ID: <005201c3d724\$d5100fe0\$8403bb42@joeii>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Chuck,

I was able to copy your 3,729.994 kHz beacon W5USJ/B between 02:15 and 02:30 this evening.

There was very deep periodic QSB which would bring the signal below my



noise floor. The transition between 100% copy (75% of the time) and no copy at all (20% of the time) was very abrupt, going from one extreme to the other in just a few characters. Copying the complete text would take 3 or 4 transmission cycles.

No sign of this evenings other beacons, I'll continue listening.

Good show! 73, Joe, K9HDE

Ant: 8 loop K9AY (switchable in 16 directions)  
RX: TR7 with 1 Hz remote VFO

-----  
Date: Fri, 9 Jan 2004 20:56:39 -0600  
From: "Don Foster" <k5kw@azalea.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [164936] Beacons Stations Copied (correction)  
Message-ID: <001e01c3d725\$65b30a20\$1fdaab41@21byq>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Oops. That's 3729, 3730 and 3731 kHz. Slipped a cog there.

Don, K5KW

-----  
Date: Fri, 9 Jan 2004 21:00:48 -0600  
From: "Don Foster" <k5kw@azalea.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [164937] Beacon Stations Copied  
Message-ID: <003201c3d725\$fa1a5f60\$1fdaab41@21byq>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

All,

Would have e-mailed the stations direct, but only had the address for W5USJ.

Between 0200 and 0205Z This Friday evening, 9 Jan., I copied on an Omni VI Plus:

KB9ZUR/B on 3729 kHz in EM79HW at S-5 on the meter with shallow QSB. Got very solid copy the first time around..

W5USJ/B on 3730 in EM22CV at slightly over an S-3 on the meter, just above the noise. Took two passes for solid copy.

WV7G/B on 3731 in DM42NE at S-4 on the meter with very slight QSB and solid copy the first time.

By 0245 W5USJ was up to a solid S5 on the meter with virtually no QSB, while the other two remained virtually the same.

All three advised to QSL via e-mail.

Thanks for the bandwidth.

72,

Don, K5KW  
Fort Gibson, Oklahoma  
EM25JT (40 miles southeast of Tulsa)

-----  
Date: Fri, 9 Jan 2004 19:28:40 -0800  
From: Bob Nielsen <nielsen@oz.net>  
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [164938] Re: HDA all tuned up for 3729/3730 KHz QRP beacon reception...  
Message-ID: <20040110032840.GD4457@bob>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

On Fri, Jan 09, 2004 at 06:06:52PM -0500, bill@n4qa.com wrote:  
> Just finished tuning the Heating Duct Antenna system with the 'inside'  
> Heathkit HFT-9 QRP antenna tuner.  
> Eighty is nice & quiet with all the snow here.  
> One signal is coming in very well right now...a distant neighbor's  
> electric-fence...approximately one pulse per second.  
> I hear it on all rigs, all bands, all the time...makes for a pretty good  
> 'rcvr and antenna are working' generator.  
> I'll be listening for KB9ZUR on 3729 and W5USJ on 3730, using the Drake  
> 2-C...with help from the 2-BQ, if req'd.  
> Bring 'em on, you guys!

Great idea. Why didn't I think of that when I lived in a QTH with CC&Rs (I had a wire strung out the window along the roofline--the insulation was the same color as the paint job).

Bob, N7XY

-----  
Date: Fri, 9 Jan 2004 21:33:53 -0600  
From: "Jim Sheldon" <w0eb@cox.net>  
To: "QRP-L Mailing List" <qrp-l@Lehigh.EDU>  
Subject: [164939] 80 meter Beacons  
Message-ID: <IBEGLCMLCDHHEFLBPHBOEEEEEDAAA.w0eb@cox.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Copied KB9ZUR/B, Grid EM79hw on approximately 3730 - too much QRM to get an accurate frequency reading. Signal strength varied from ESP to 559. Copied WV7G/B. grid DM42ne on approximately 3731 heavy QRM. Signal strength from ESP to 449. No sign of W5USJ. Time 3:20 to 3:35 UTC.

Jim, W0EB  
Wichita (Park City), KS Grid EM17it

-----  
Date: Fri, 9 Jan 2004 21:39:35 -0600  
From: "Steve Yates - AA5TB" <aa5tb@arrl.net>  
To: <qrp-l@Lehigh.EDU>  
Subject: [164940] Re: QRP computer  
Message-ID: <000301c3d72b\$60034b20\$3699fea9@texas.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I have a friend at work, Allen Streater, that won the World Championship Slide Rule Competition last year. Also, the world's largest slide rule was displayed at my work a few years ago. It was 300 lbs and 350 feet long! I know, weird trivia.

The bottom of page 3 of this article tells it all:

[http://www.lmaeronautics.com/lmaerostar/pdfs/year03/MarApr\\_Mari.pdf](http://www.lmaeronautics.com/lmaerostar/pdfs/year03/MarApr_Mari.pdf)

Slide rules were already out of the picture by the time I would have been old enough to use one.

73,  
Steve Yates - AA5TB

<http://www.qsl.net/aa5tb/>

-----  
Date: Fri, 9 Jan 2004 22:57:27 -0500  
From: "Mike Majority" <n4vbv@earthlink.net>  
To: qrp-1@lehigh.edu  
Subject: [164941] Beacons copied  
Message-ID: <410-22004161035727453@earthlink.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII

All three beacons copied in Central South Carolina with fast/heavy QSB on all three. Took multiple tries to copy the whole text reliably. S5-S7 noise level. Some SSB QRM on 3729; someone tuning up on 3730/3731 (no ID).

Grid-DM33vp  
Rig - IC-706MKII w/DSP.  
Ant-DX-CC dipole at 15 feet.  
Time-2250 EST/0350Z.

Mike, N4VBV

--- Mike Majority  
--- n4vbv@earthlink.net  
--- EarthLink: The #1 provider of the Real Internet.

-----  
Date: Fri, 09 Jan 2004 22:52:19 -0500  
From: Lee Mairs <lmairs@direcway.com>  
To: myetsko@insydesw.com, qrp1 <qrp-1@Lehigh.EDU>

Subject: [164942] Re: QRP computer  
Message-ID: <023401c3d72d\$2a3b37d0\$0200a8c0@J4>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

You guys must have gone to "gut" engineering schools. It is a well known fact that a Post slide rule, properly cleaned and lubricated with #2 lead pencil leavings was the fastest slip stick in the west!

73 de Lee  
KM4YY/8  
UNM BSEE 1965

----- Original Message -----

From: "Mike Yetsko" <myetsko@insydesw.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Friday, January 09, 2004 8:45 PM  
Subject: Re: QRP computer

> > This is just another "memory" but when I went to "signal school" at Ft.  
> > Monmouth , NJ, in 1948/49 we used a "circular slide rule" mfr. unknown ,  
> but  
> > it's all we had and it did it's role very well. told us about input and  
> > output dbs, etc.  
> > aaahhh the memories. Didn't have computers back then!!!!  
> > carl / kz5ca  
>  
> I think both K&E and Pickett made circulars. I know for sure that  
> Pickett did, as I had one, about 1970 or so. I also had a little 6"  
> Pickett, as well as a LL0 and a LL1. I still have one of the full  
> size Picketts, I think the LL0, but I'd have to check.  
>  
> The fall of '73 I went over to an HP-45...  
>  
>

-----  
Date: Fri, 09 Jan 2004 22:56:27 -0500  
From: Lee Mairs <lmairs@direcway.com>  
To: brian@iquest.net,  
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [164943] Re: QRP computer  
Message-ID: <024701c3d72d\$bc313ef0\$0200a8c0@J4>  
MIME-version: 1.0

Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

I'm not positive, but I believe that was the Mk1 Mod 1A analog computer with a stable element. We had one on our destroyer during the Vietnam war. It save many American lives on several occasions when the bad guys were at such long range that we had to ground the ship and then use only one barrel in one mount to fire. The difference in wear between barrels would have been enough to screw up the shot.

73 de Lee  
KM4YY/8

----- Original Message -----

From: "Brian Murrey" <brian@iquest.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Friday, January 09, 2004 9:29 PM  
Subject: Re: QRP computer

> I took a tour of the Battleship North Carolina this summer...it had a  
> firing computer that controlled the big guns.

>

> It wasn't digital, but it was a computer, far more sophisticated than  
> Mr. Babbage's machine.

>

> 73

>

> ----- Original Message -----

> From: "carl seyersdahl" <carlseye@tampabay.rr.com>  
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
> Sent: Friday, January 09, 2004 7:44 PM  
> Subject: Re: QRP computer

>

>

> > This is just another "memory" but when I went to "signal school" at  
> Ft.

> > Monmouth , NJ, in 1948/49 we used a "circular slide rule" mfr. unknown  
> , but

> > it's all we had and it did it's role very well. told us about input  
> and

> > output dbs, etc.

> > aaahhh the memories. Didn't have computers back then!!!!

> > carl / kz5ca

> > ----- Original Message -----

> > From: "Bruce Muscolino" <w6toy@erols.com>  
> > To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
> > Sent: Friday, January 09, 2004 6:29 PM  
> > Subject: Re: QRP computer

> >  
> >  
> > > Karl,  
> > >  
> > > Considering how long it took to condense a "modern" high powered  
> digital  
> > > computer to a small enough size to be carried under your arm it  
> makes  
> > > the slide rule seem somewhat of a better idea.  
> > >  
> > > Slide rules depended on the discovery of the logarithm. Digital  
> > > computers did NOT depend on the discovery of the digit!  
> > >  
> > > Long live the slide rule and other manual techniques, like CW!  
> > >  
> > > 73  
> > >  
> > > >  
> > > > I was looking in a drawer and found the computer that got  
> me  
> > > > through almost all my college days. It is a bamboo K&E slide rule  
> serial  
> > > > number 850100. To raise 2.5 to the 1.8 power you get the natural  
> log of  
> > > > 2.5 and 1.8 and multiply them (on the slide rule). Then take the  
> > > > anti-log and you have it, 5.2 about.  
> > > >  
> > > > It takes a lot less time with a modern computer.  
> > > >  
> > > > --  
> > > >  
> > > > - Karl Larsen k5di Las Cruces, NM Az ScQRPions -  
> > >  
> > >  
> >  
> >  
> >  
> >  
>  
>  
>

-----  
Date: Fri, 9 Jan 2004 20:00:54 -0800 (PST)  
From: Bob KB2FEL <kb2fel@yahoo.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [164944] Re: QRP computer  
Message-ID: <20040110040054.56217.qmail@web60507.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

--- Curt Milton <wb8yyy@yahoo.com> wrote:  
> Yes slide rules let you "see" logarithms so you  
> understand how to multiply by adding. They should  
> be  
> retained as a teaching tool!  
>  
> We joked 20 years ago in college about needing to  
> take  
> future students to a museum to understand  
> "clockwise"  
> but analog watches have survived (yes most of us can  
> read one faster than a digital one).  
>  
> I do remember a lab where we used analog computers,  
> not for math but to simulate control system  
> algorithms.  
>  
> And back then we thought computers were only for  
> math!  
>  
> curt wb8yyy  
Hi All,

I like Karl's description of a QRP computer....I used two Slide Rules.... one was about a foot in length the other, I guess you could call "Trail Friendly" it was only 5 inches Hi. I think I still have that one packed away someplace.

It is a bit scary to thinking about how I and the other students would walk through the halls with slide rules hanging from our pant belts. It always put me in mind of swords hanging from a Lieutenant's uniform. A few semesters later we were actually allowed to use the Electronic Calculators.. IE: Tex Instr.. but we still had to use the slide and show the proof. The calculator was just to check the results.

72  
Bob  
KB2FEL/8



-----  
Do you Yahoo!?

Yahoo! Hotjobs: Enter the "Signing Bonus" Sweepstakes  
<http://hotjobs.sweepstakes.yahoo.com/signingbonus>

-----  
Date: Sat, 10 Jan 2004 04:11:14 +0000  
From: Chuck Adams <k7qo@commspeed.net>  
To: qrp-1@lehigh.edu  
Subject: [164945] Beacons on 80m  
Message-ID: <5.2.1.1.0.20040110040904.013a4d48@mail.commspeed.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Heard all 3 tonight around 0350UTC. Got emails to  
W5USJ and KB9ZUR but I can't find the email for  
WV7G and his was the loudest at S9 on the old  
Corsair I with 80m per leg vee-beam for antenna.  
Chuck, W5USJ, at S8  
Jeff, KB9ZUR, at S5 with deep QSB.

FYI

Chuck Adams K7QO k7qo@commspeed.net  
<http://www.qsl.net/k7qo> CP-60

Moving to Arizona? Please bring your own water.

-----  
Date: Fri, 09 Jan 2004 21:15:07 -0700  
From: "M.M." <markem@cox.net>  
To: qrp-1@Lehigh.EDU  
Subject: [164946] Re: 3 Beacons on 80 Tonite 3729, 3730, 3731  
Message-ID: <6.0.0.22.0.20040109210753.026ba5e8@127.0.0.1>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 18:59 01/09/04, Chuck Carpenter wrote:

>Folks,

>

>Now triple the fun...

>

>Add Bill, WV7G, to the beacon crew. He will be running 5 W to a vertical.

>Listen for him on 3.731 MHz. He will run from 0200 to 0500 tonite.

>

>Bill is in Arizona ...

I'm hearing Bill at 04:10 UTC about 439 with QSB to 000, about 50/50. I'm in DM43, about 100 mi north of him. He's off the end of my 88' dipole...

FWIW... 73... Mark AA7TA

-----  
Date: Fri, 9 Jan 2004 23:30:32 -0500  
From: "John Paul Keon" <jpkeon@nc.rr.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [164947] GPS Use.  
Message-ID: <006c01c3d732\$7cedc600\$6601a8c0@nc.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 8bit

I just got a Garmin Legend GPS for Christmas from my son. I have been having a good time with it so far. It is very useful as a general tool.

Is there any one of you who use this or a similar Garmin handheld unit? If so, did you get a CD to use to download additional data to the unit? And if so, which one would you recommend?

That should do it.

John Paul, Raleigh, NC [AB4PP]//NNN UTV  
"Sir Scribemeister" of the Knightlites  
<http://www.knightlites.org>  
"We all take different paths in life, but no matter where we go, we take a little of each other everywhere."

-----  
Date: Sat, 10 Jan 2004 03:32:42 -0600  
From: Dan Harriman <kc5gxl@sbcglobal.net>  
To: qrp-l@Lehigh.EDU  
Subject: [164948] Re: 3 Beacons on 80 Tonite 3729, 3730, 3731  
Message-ID: <6.0.1.1.1.20040110032949.02d07010@pop.sbcglobal.yahoo.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Howdy all;

There was nary a beacon heard here in Orange, Texas Grid EM30cc.  
Try as I might, still nothing.

Rig Icom IC 730 antler 30 meter dipole up abt 25 - 30 ft.

73,

Dan Harriman  
Orange, Texas

=====  
Proud member of QRP-ARCI # 9126; QRP-L # 431; ARS # 25; FISTS # 1572;  
QRPP-1 # 702; 1010 Int.; FP # 555; SOC # 569; NETXQRP # 45; ARRL; ARRL-VE;  
AMQRP; RU-QRP # 43; MQFD # 5; grid EM30cc  
-

If at first you don't succeed, maybe you shouldn't try  
sky-diving!           dit     dit

-----  
  
Date: Fri, 09 Jan 2004 23:35:23 -0500  
From: "Dennis Ponsness" <wb0wao@hotmail.com>  
To: qrp-l@Lehigh.EDU  
Subject: [164949] Re: anyone build the DSW-2?  
Message-ID: <LAW11-F16gDH3v2u97000011f9d@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

I will echo all the sentiments - great rig and easy to work with.   Even tho  
I have a K2, I would love to get a 40m version too!

72 es oo

Dennis - WB0WAO

EN84ij Iosco County, Michigan  
MultiPig+ #3 - K2 #3555  
DSW-II-20 - SW-40+ - SW-30+  
RM-20 - RM-40

FPQRP #-347 FISTS #9299

Charter Member - Michigan DX Association

www.wb0wao.com

:=)

>From: <bill@n4qa.com>  
>Reply-To: bill@n4qa.com  
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
>Subject: Re: anyone build the DSW-2?  
>Date: Fri, 9 Jan 2004 16:53:39 -0500  
>MIME-Version: 1.0  
>Received: from mc9-f3.hotmail.com ([65.54.166.10]) by mc9-s11.hotmail.com  
>with Microsoft SMTPSVC(5.0.2195.6824); Fri, 9 Jan 2004 14:06:27 -0800  
>Received: from astro.CC.Lehigh.EDU ([128.180.39.2]) by mc9-f3.hotmail.com  
>with Microsoft SMTPSVC(5.0.2195.6824); Fri, 9 Jan 2004 14:06:27 -0800  
>Received: from localhost.localdomain ([127.0.0.1]:49164 "HELO  
>astro.CC.Lehigh.EDU") by astro.CC.Lehigh.EDU with SMTP id  
><S382103AbUAIWFu>; Fri, 9 Jan 2004 17:05:50 -0500  
>Received: from rain.CC.Lehigh.EDU ([128.180.39.20]:48335 "EHLO  
>rain.CC.Lehigh.EDU") by astro.CC.Lehigh.EDU with ESMTP id  
><S378374AbUAIvXR>; Fri, 9 Jan 2004 16:53:17 -0500  
>Received: from thebe.your-site.com (lists.your-site.com [140.186.45.30])  
> by rain.CC.Lehigh.EDU (8.12.10/8.12.10) with ESMTP id i09LrGfj031119  
> for <qrp-1@Lehigh.EDU>; Fri, 9 Jan 2004 16:53:16 -0500  
>Received: from f1n5n8 (h80ad2489.async.vt.edu [128.173.36.137]) by  
>thebe.your-site.com (Postfix) with ESMTP id C4732245A73 for  
><qrp-1@Lehigh.EDU>; Fri, 9 Jan 2004 16:54:14 -0500 (EST)  
>X-Message-Info: SuyIeF3cBu92Z21KEVCg5Fgs1UId/t5Z1Y3Egqer0Ck=  
>Message-Id: <003101c3d6fb\$0ba1e300\$8924ad80@f1n5n8>  
>Precedence: bulk  
>X-To: <qrp-1@Lehigh.EDU>  
>X-MSMail-Priority: Normal  
>X-Mailer: Microsoft Outlook Express 5.50.4807.1700  
>X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4807.1700  
>X-Listprocessor-Version: 8.1 beta -- ListProcessor(tm) by CREN  
>Return-Path: owner-qrp-1@Lehigh.EDU  
>X-OriginalArrivalTime: 09 Jan 2004 22:06:27.0288 (UTC)  
>FILETIME=[D3F86580:01C3D6FC]  
>  
>John and the gang.  
>I love my DSW-II-20...and, I haven't even built it yet.  
>Well...Have done one mod to it so far...

>Just imagine my ecstasy once the rig is actually built!  
>  
>73.  
>Bill, N4QA  
><http://www.n4qa.com>  
>

-----  
Scope out the new MSN Plus Internet Software optimizes dial-up to the max!  
<http://join.msn.com/?pgmarket=en-us&page=byoa/plus&ST=1>

-----  
Date: Fri, 09 Jan 2004 23:15:06 -0600  
From: John Oppenheimer <[kn51@gte.net](mailto:kn51@gte.net)>  
To: Low Power Amateur Radio Discussion <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>  
Subject: [164950] Re: Beacons on 80m  
Message-ID: <3FFF8A5A.B10AAD96@gte.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

QTH, Plano TX, near Dallas

Listen to KB9ZUR at <http://kn51.net/beacon/> What is the RST?

WV7G about 229, but no signal when ready to record.

John

-----  
Date: Fri, 9 Jan 2004 16:16:52 -0800 (PST)  
From: Adrian Weiss <[adeweiss@sd.value.net](mailto:adeweiss@sd.value.net)>  
To: <[qrp-1@lehigh.edu](mailto:qrp-1@lehigh.edu)>  
Subject: [164951] AZ-SCORP Paddle :)  
Message-ID: <1436.207.254.121.220.1073693812.squirrel@mail.sd.value.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=iso-8859-1  
Content-Transfer-Encoding: 8bit

Hi all:

I finally got around to assembling the AZ-Scorpion paddle.  
As usual, my desire to produce a jewel-quality product wore  
off after about a half-hour of sanding! BUT, who cares? This  
is a really super neat little paddle design! Its performance

believes its size -- probably about 40% of the Norcal paddle without the picks. I prefer very close spacing of contacts for minimal movement of fingers in keying, and it was easy to adjust the paddle for a light-feeling touch -- nice at 34wpm which is at my top.

Congrats to the AZ-Scorp gang for another "winner".

72, Ade W0RSP

-----  
Date: Sat, 10 Jan 2004 01:11:43 -0500  
From: "Jeff Imel" <jeffimel@hotmail.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [164952] KB9ZUR/B 80 Meter Beacon Report  
Message-ID: <BAY9-DAV48GuAEFVq9K000280e4@hotmail.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Thanks to all who sent in email reception reports. Here is my preliminary report from this evening's activities.

KB9ZUR/B 80 Meter Beacon Report (Preliminary)

Prepared: 0601 UTC January 10, 2004

Transmitter: Small Wonder Labs SW-80

Power Output: 1.3 watts

Antenna: 66' wire vertical

Keyer: NorCal Keyer

Power Source: 7 Ah SLA Battery

0200 - 0600 UTC January 10, 2004 (UTC)

0205	Don	K5KW	Fort Gibson, Oklahoma
0206	Jerry	W0PWE	Johnston, IA
0208	Nick,	WA5BDU	Russellville, AR
0215	Chuck	W5USJ	Point, TX
0225	George	W0AV	Kansas City, MO
0239	Sam	KL7V/5	Oklahoma City, OK
0244	Steve	K4JPN	Warner Robins GA
0255	John	K4AVX	Perry Co, KY
0300	Sandy	KB3E0F	Maryland
0307	Bill	N4QA	Radford, VA
0320	Jim	W0EB	Wichita (Park City), KS
0350	Mike	N4VBV	South Carolina
0350	Jay	AJ4AY	Mobile, AL
0350	Chuck	K7Q0	Arizona
0455	Mike	AF4LQ	Louisville, KY
0515	Gary	K8KFJ	SAINT ALBANS, WV
0615	John		Plano, TX

-----  
Date: Fri, 9 Jan 2004 23:29:59 -0700  
From: "Bob Baxter" <rbaxter@cybertrails.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [164953] Re: anyone build the DSW-2?  
Message-ID: <012701c3d743\$2deaf760\$53572aa2@radiatoroom>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

> I will echo all the sentiments - great rig and easy to work with. Even  
tho  
> I have a K2, I would love to get a 40m version too!

You guys are so persuasive you convinced me to order a 20M model. Now, what  
am I going to do for the next two months while I'm waiting for it.?

Bob Baxter AA7EQ  
Bisbee, Az.

-----  
Date: Sat, 10 Jan 2004 02:18:37 -0500 (EST)  
From: "Thom R. Lacosta" <lacosta@bcpl.net>  
To: Bob KB2FEL <kb2fel@yahoo.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [164954] Re: QRP computer  
Message-ID: <Pine.GS0.4.58.0401100211400.3571@mail>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

> A few semesters later we were actually allowed to use  
> the Electronic Calculators.. IE: Tex Instr.. but we  
> still had to use the slide and show the proof. The  
> calculator was just to check the results.

I remember when my father's company got "modern" and told him that  
he could no longer hire/fire engineers. These fucntions were reserved for  
what today is know as "HR".

On night, I asked him why he was so agitated...and he replied...

"HR just hired a new guy. He's making xxx bucks a week...which is  
yy dollars more than the most experienced guy in my department.

I guess I shouldn't complain, but for the last 3 days he's been working on  
some project that I don't recognize."

So, a few night later, I asked my Dad how the "new guy" is working  
out...and he says...

"I'm paying xx bucks a week to have this guy with a PHD check the accuracy



of our calculators."

Thom

<http://www.baltimorehon.com/>  
<http://www.tlchost.net/>

Home of the Baltimore Lexicon  
Web Hosting as low as 3.49/month

-----  
Date: Sat, 10 Jan 2004 06:41:07 -0500  
From: "jdanter" <jdanter@mail.i-america.net>  
To: <jdanter@mail.i-america.net>  
Subject: [164955] Q: Compact Paddle Opinions  
Message-ID: <GCEPJABBGFMELNAPBFGAEJOCCLAA.jdanter@mail.i-america.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

Interested in getting a new compact paddle.

Anyone have experience:

Nye SSK-001 Super Squeeze Key,

or Vibroplex Code Warrior Jr. ?

Thanks,  
Jamie NE4TT

---  
[Pre-scanned for viruses by Internet America.]

-----  
Date: Sat, 10 Jan 2004 07:21:08 +0000  
From: John R Kirby <n3aaz-qrp@juno.com>  
To: qrp-1@Lehigh.EDU  
Subject: [164956] QRP computer Antilog  
Message-ID: <20040110.072127.-202487.0.n3aaz-qrp@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

>>>snip<<<<

I was looking in a drawer and found the computer that got me through almost all my college days. It is a bamboo K&E slide rule serial number 850100. To raise 2.5 to the 1.8 power you get the natural log of 2.5 and 1.8 and multiply them (on the slide rule). Then take the anti-log and you have it, 5.2 about.

It takes a lot less time with a modern computer.--

- Karl Larsen k5di Las Cruces, NM Az ScQRPions -

>>>snip<<<

I figure the reason it takes longer, my is K&E is analog.

John  
N3AAZ

---

The best thing to hit the internet in years - Juno SpeedBand!  
Surf the web up to FIVE TIMES FASTER!  
Only \$14.95/ month - visit [www.juno.com](http://www.juno.com) to sign up today!

---

Date: Sat, 10 Jan 2004 06:46:10 -0600  
From: Chuck Carpenter <w5usj@9plus.net>  
To: qrp-l@lehigh.edu  
Cc: <jeffimel@hotmail.com>, <wv7g@arrl.net>  
Subject: [164957] Beacons 3 on 80 -- Thanks All!  
Message-ID: <3.0.2.32.20040110064610.0081ccd0@mail.9plus.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

QRP-Lers,

Thanks for your beacon reports last night. Seems to have worked out quite well.

Jeff in Indiana EM79hw, Bill in Arizona DM42ne and me in Texas EM22cv.

I'd tried to include Jeff's and Bill's email addresses HTML coded in the messages. That way to reply all the op needed to do (I thought) was click on the address. If your email package recognizes HTML then it should have shown up in blue.

<mailto:jeffimel@hotmail.com> and <mailto:wv7g@arrl.net>

Thanks again and we'll do it one more time tonight. My plan is to run at

2.5 W 0200 to 0500 then 1 W from 0500 to 1200. I'll post a message later this morning.

BTW:

Thur nite the FT817 got quite hot over the 3 hour period. I found a small muffin type fan in the junk box and placed it behind the 817. It kept the heatsink on the 817 quite cool. No erratic power out indications this time. I also changed the duty cycle from 22 wpm and 5 second delay to 20 wpm and 10 second delay. That probably helped a little too.

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1  
QRP-ARCI #5422, QRP-L #1306, QRPp-I #115, ARS #1280, SOC #57  
Zombie #759, COG #11, 6 Club #201, FP #601 oo <http://www.netxqrp.org>

-----  
Date: Sat, 10 Jan 2004 07:48:39 -0500  
From: VE3JC John Cumming <jbcumming@wwdc.com>  
To: jpkeon@nc.rr.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [164958] Re: GPS Use.  
Message-ID: <3FFFF4A7.6090806@wwdc.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

Hi John Paul,

Your son made an excellent choice. I've had an Etrex Legend for about two years and love it. (I'm sure you've noticed the Maidenhead coordinate capability, which was just one delightful surprise I had when I started playing with my Legend)

With regard to downloading additional info, the most important tool is to be able to have two way exchange of tracks and waypoints between your computer and the GPS. And you don't have to pay a cent to get this. I highly recommend "GPS Trackmaker", available at <http://www.gpstm.com/>

With this program, you can save your tracklogs from your qrp hikes on the trail to your computer, and superimpose them on any map image. Or even better, you can define important waypoints and plan tracks or routes (using freebie map images from Topozone etc) and upload this to your Legend. Save the dollars you would spend on the proprietary CD's such as mapsource, to use for trail friendly radios!

Make sure your subscription to ARS Sojourner is paid up ;^) because there will be an article discussing GPS and QRP Adventure Radio coming soon. Use of GPS Trackmaker in conjunction with waypoints and tracks defined from free web data (such as Topozone) is described in the article.

Enjoy your new toy !

72, John VE3JC

John Paul Keon wrote:

> I just got a Garmin Legend GPS for Christmas

-----  
Date: Sat, 10 Jan 2004 13:21:04 +0000  
From: Mike B <kw1nd@comcast.net>  
To: jpkeon@nc.rr.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [164959] Re: GPS Use.  
Message-ID: <3FFFFC40.1010009@comcast.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

John Paul Keon wrote:

> I just got a Garmin Legend GPS for Christmas from my  
> son. I have been having a good time with it so far. It is  
> very useful as a general tool.  
> Is there any one of you who use this or a similar Garmin  
> handheld unit? If so, did you get a CD to use to download  
> additional data to the unit? And if so, which one would  
> you recommend?  
> That should do it.

Good morning, John. I've used DeLorme's products for several years, and like them a lot. My version of Topo USA is a previous one, but I've seen version 4 and it's even nicer. I also use their 3D Topo Quads for actual USGS topo maps when necessary.

<http://delorme.com/software.htm>

No financial interest in the firm, but I did used to live about 20 minutes from them in Maine ;-)

--

73,

Mike Boice, KW1ND

Karns, TN

Behold the power of the penguin

-----  
Date: Sat, 10 Jan 2004 07:48:45 -0600  
From: John Oppenheimer <john@KN5L.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [164960] KB9ZUR Beacon audio for last night  
Message-ID: <400002BD.FEF2F8F3@KN5L.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Listen to KB9ZUR at <http://kn5l.net/beacon/> What is the RST?

John

-----  
Date: Sat, 10 Jan 2004 10:00:49 -0500  
From: "E. Roswell" <eroswell@monmouth.com>  
To: qrp-l@Lehigh.EDU  
Subject: [164961] Re: anyone build the DSW-2?  
Message-ID: <400013A1.3030802@monmouth.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

I also echo other comments on the rig, but also have to add that it was one of the nicest kits to put together. Though small and with teeney parts, the layout was great and the instruction clarity and order of putting in parts was excellent. And firing it up and working right off with no trouble - priceless. (Well, yeah, I guess putting the case on was the trickiest part...) 73, Ed, K2MGM

-----  
Date: Sat, 10 Jan 2004 10:04:49 -0500  
From: Steve.Lawrence@ITWFEG.COM  
To: jpkleon@nc.rr.com  
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [164962] Re: GPS Use.  
Message-ID: <0F9EFBE983.493DA042-0N85256E17.00525829-85256E17.0052D624@itwfeg.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

John,

Take a look at the following web site for a plethora of GPS stuff,  
including comments on a number of mapping programs:

<http://gpsinformation.net/>

Compiled by a couple of amateur radio ops, this is an awesome collection  
of information and references regarding GPS technology.

73,

Steve

aa8af

"John Paul Keon" <jpkeon@nc.rr.com>

Sent by: owner-qrp-1@Lehigh.EDU

01/09/2004 11:30 PM

Please respond to

jpkeon@nc.rr.com

To

"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

cc

Subject

GPS Use.

I just got a Garmin Legend GPS for Christmas from my  
son. I have been having a good time with it so far. It is  
very useful as a general tool.

Is there any one of you who use this or a similar Garmin  
handheld unit? If so, did you get a CD to use to download  
additional data to the unit? And if so, which one would  
you recommend?

That should do it.

John Paul, Raleigh, NC [AB4PP]//NNN UTV

"Sir Scribemeister" of the Knightlites

<http://www.knightlites.org>

"We all take different paths in life, but no matter where  
we go, we take a little of each other everywhere."

-----  
Date: Sat, 10 Jan 2004 10:21:51 -0500  
From: "sslyon" <sslyon@megalink.net>  
To: <w5usj@9plus.net>,  
    "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [164963] Re: 3 Beacons  
Message-ID: <001301c3d78d\$82461f20\$13c8e742@megalink.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I'd like to try a beacon from here, but can't use verticals due to the absorption in these woods. Kind of hard to imagine unless you've seen it, but one can't even walk thru the re-growth and undergrowth in many places. I'd hang one just for fun but have been pressed for time. (Real shame to miss the ideal antenna wx with minus 45 deg F wind chill and drifting snow : ) Hasn't been above zero for a few days now.

73

seab

Seabury & Sharon Lyon  
99 Sparrowhawk Mtn Rd  
Bethel ME, 04217 U.S.A.  
207-836-2576

Virus Protection by Norton and ZoneAlarm

----- Original Message -----

From: "Chuck Carpenter" <w5usj@9plus.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Friday, January 09, 2004 8:59 PM  
Subject: 3 Beacons on 80 Tonite 3729, 3730, 3731

> Folks,

>

> Now triple the fun...

>

> Add Bill, WV7G, to the beacon crew. He will be running 5 W to a vertical.

> Listen for him on 3.731 MHz. He will run from 0200 to 0500 tonite.

>

> Bill is in Arizona along with Jeff in Illinois and me in Texas.

>

> QSL to him directly <mailto:ww7g@arrl.net>  
>  
>  
>  
>  
> Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP  
#1  
> QRP-ARCI #5422, QRP-L #1306, QRPp-I #115, ARS #1280, SOC #57  
> Zombie #759, COG #11, 6 Club #201, FP #601  
<http://www.netxqrp.org>

-----  
Date: Sat, 10 Jan 2004 09:26:03 -0600  
From: Richard Lim <[richlim11@yahoo.com](mailto:richlim11@yahoo.com)>  
To: Low Power Amateur Radio Discussion <[qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)>  
Subject: [164964] Cold = antenna work  
Message-ID: <4D2DFA41-4381-11D8-9FF0-000A95B92C0E@yahoo.com>  
Mime-Version: 1.0 (Apple Message framework v609)  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain; charset=US-ASCII; format=flowed

Well gang, I figured that since we just got our first significant snow fall and that the temps have dropped to the 20's that it must be antenna work time, right?

I just finished re-adjusting my longwire antenna. Previously it was about 25 ft up off the ground at the house and sloping down to a tree at about 15ft. Now, I have the top of the antenna at at least 35-40 ft. Wow, can't believe that a change in configuration like that would make such a difference. Previously, my attic dipole on 40 was about 2 S units below my long wire. Now it is 6-7 S units down from the longwire. Furthermore, I can tune 80m to 1.1 SWR VS abt 2.0 - 2.5 SWR.

The old adage about getting your antenna as high up as possible surely was proven in my case. Just wanted to share my excitement!

Rich

-----  
72/73 DE KQ9L K1 #1669, K2 #3232  
KX1 #21, FIST 10193, FP 548,  
QRP ARCI 11129

-----  
Date: Sat, 10 Jan 2004 10:37:50 -0500



From: "Ken La Rose" <kenlar@csolve.net>  
To: <qrp-1@Lehigh.EDU>, "QRP-Canada" <qrp-canada@neale.gpfn.sk.ca>  
Cc: "Tom Hamblin" <hamblin@mirusinternational.com>,  
"Tom Curtola" <tcurtola@rogers.com>,  
Subject: [164965] Sunday Morning SSB/CW QRP Net  
Message-ID: <002601c3d78f\$b5363670\$c4618a3f@D1YQV721>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Greetings!

Please join us if you can for another informal weekly QRP gathering on 40m around 7.067MHz, at 9:30 AM local (ET) tomorrow morning. Listen for NCS VE3ELA on lower sideband, or break-in on CW/SSB if you hear a net participant, and they will QSP. All Hams within hearing range are invited to join us.

Last Sunday we could hear only VE3 stations, but we had an excellent net. All signals were good copy. These stations checked in:

VE3OSC John (VA3JE) in Toronto  
VE3RLX Ric in Brantford  
VE3CQV Ron in Oakville  
VE3JC John in London  
VE3QF Tony in Scarborough  
VE3KZ Bob in Milton  
VE3ICL Les in Restoule (SGC 2020 5w to Windom)  
VE3JEV Richard in London (Ten-Tec Argonaut 2w to inv. V)  
VA3PKH Peter in Belleville (5W to G5RV)  
VE3ELA Ken in Midland

Discussion included the RAC Winter Contest and upcoming events, building projects, and holidaying in Montreal and idyllic Caribbean islands! Also, it was great to talk with Bob VE3KZ, who was just appointed First Vice President of RAC. Congratulations, Bob, and we all appreciate the work you're doing on our behalf!

Vy 72,

de Ken VE3ELA

-----

Date: Sat, 10 Jan 2004 09:40:05 -0600  
From: "Nick Kennedy" <wa5bdu@tcainternet.com>  
To: <sslyon@megalink.net>,  
    '"Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>  
Subject: [164966] Re: 3 Beacons (absorption)  
Message-ID: <008501c3d790\$0552f0d0\$0400000a@wa5bdu>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Is absorption by trees really an issue all the way down to 80 meters?  
Not saying I know, I'd just thought that it wouldn't be.

My 160 meter inverted L's vertical section runs practically up the trunk  
of a 14 inch diameter sweet gum. I wonder if it's being affected  
significantly.

72--Nick, WA5BDU

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf  
Of sslyon

I'd like to try a beacon from here, but can't use verticals due to the  
absorption in these woods. Kind of hard to imagine unless you've seen  
it, but one can't even walk thru the re-growth and undergrowth in many  
places. I'd hang one just for fun but have been pressed for time. (Real  
shame to miss the ideal antenna wx with minus 45 deg F wind chill and  
drifting snow : ) Hasn't been above zero for a few days now. 73 seab  
Seabury & Sharon Lyon 99 Sparrowhawk Mtn Rd Bethel ME, 04217 U.S.A.  
207-836-2576

-----  
Date: Sat, 10 Jan 2004 10:47:40 -0500 (EST)  
From: Chris Cartwright <ccart@phideaux.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [164967] Re: Cold = antenna work  
Message-ID: <Pine.LNX.4.21.0401101039210.29039-1000000@dns.phideaux.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 10 Jan 2004, Richard Lim wrote:

> and that the temps have dropped to the 20's that it must be

20's? Hardly worth going outside when it's that warm :) I woke up to 4 deg F this morning with a 10-15 mph wind. If I could bring myself to go outside for any length of time I'm sure any antler I put would get a boost in performance.

As it is, I'm staying in near the wood stove and still doing antenna work. Been working on/with very small 8 to 10 wavelength antennas. The 2.4 and 10Ghz stuff takes up a lot less room, but it's much less forgiving. Although you learn a lot when you have to build test equipment before you can build and test antennas! Anyone else doing any microwave work? At 100mW max, I think it's safe to say it's QRP.

```
-- Chris Cartwright,   Unix Administrator |      ccart@phideaux.com      --
-- N3XRV      ARRL-VE   Norcal Zombie #163 |      Oxford, PA 19363 FM29as    --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --
```

-----

Date: Sat, 10 Jan 2004 10:59:54 -0500  
From: "Bill, N4QA" <n4qa@hotmail.com>  
To: qrp-l@lehigh.edu  
Subject: [164968] Last evening's 80m beacons...  
Message-ID: <BAY1-F11efbXo0oZQ060000a4ba@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

0450 UTC, Saturday, 10 January 2004

Heard all three beacons but could only copy callsign of WV7G/B.  
Got solid copy of W5USJ/B and KB9ZUR/B.  
My Loc EM97rd.  
My ears are still ringing from listening to the speaker in the 2-BQ  
q-multiplier.  
The HDA did ok!

73.  
Bill, N4QA  
<http://www.n4qa.com>

-----  
High-speed users be more efficient online with the new MSN Premium Internet Software. <http://join.msn.com/?pgmarket=en-us&page=byoa/prem&ST=1>  
-----

Date: Sat, 10 Jan 2004 11:13:53 -0500  
From: "sslyon" <sslyon@megalink.net>  
To: <nkennedy@tcainternet.com>,  
    "'Low Power Amateur Radio Discussion'" <qrp-1@lehigh.edu>  
Subject: [164969] Beacons: (arboreal absorption)  
Message-ID: <004c01c3d794\$be02ebe0\$13c8e742@megalink.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Howdy, Nick

You raise an interesting point regarding absorption in the woods with a vertical. I've never seen a work up on the subject, only occasional comments and some experience.

I can say anecdotally that absorption is an issue on bands 80m thru 20m as I originally had a 66' c.f. vert. doublet hung from a line at 70' between two biggies in the woods here when I first moved in. I was happy at first, until I put a horizontal '66' and there was no comparison on any band. I took the vert. out on a couple of kite expeditions and it was an amazing performer and loading was a lot easier, too.

I now use '88's for most of my home and kite work, and only wish I had the 100' trees to support a vertical one for A/B comparisons.

73  
seab  
aa1my

Seabury & Sharon Lyon  
99 Sparrowhawk Mtn Rd  
Bethel ME, 04217 U.S.A.  
207-836-2576

Virus Protection by Norton and ZoneAlarm  
----- Original Message -----  
From: "Nick Kennedy" <wa5bdu@tcainternet.com>

To: <sslyon@megalink.net>; "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>  
Sent: Saturday, January 10, 2004 10:40 AM  
Subject: Re: 3 Beacons (absorption)

> Is absorption by trees really an issue all the way down to 80 meters?  
> Not saying I know, I'd just thought that it wouldn't be.  
>  
> My 160 meter inverted L's vertical section runs practically up the trunk  
> of a 14 inch diameter sweet gum. I wonder if it's being affected  
> significantly.  
>  
> 72--Nick, WA5BDU  
>  
>  
> -----Original Message-----  
> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]  
On Behalf  
> Of sslyon  
>  
> I'd like to try a beacon from here, but can't use verticals due to the  
> absorption in these woods. Kind of hard to imagine unless you've seen  
> it, but one can't even walk thru the re-growth and undergrowth in many  
> places. I'd hang one just for fun but have been pressed for time. (Real  
> shame to miss the ideal antenna wx with minus 45 deg F wind chill and  
> drifting snow : ) Hasn't been above zero for a few days now.  
73 seab  
> Seabury & Sharon Lyon 99 Sparrowhawk Mtn Rd Bethel ME, 04217 U.S.A.  
> 207-836-2576  
>

-----  
Date: Sat, 10 Jan 2004 10:30:54 -0600  
From: John Oppenheimer <john@KN5L.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [164970] Free QST's to a good home

Message-ID: <400028BE.EE37FF7B@KN5L.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Time to clean, for a move.

I have about 20 years of QSTs free for the taking, Only three rules.

1. You take one, you take them all.
2. Local pickup only, Plano TX
3. They will remain available until gone, no reserving.

John

-----  
Date: Sat, 10 Jan 2004 11:49:37 -0500  
From: Al Scanandoah <k2zn@rochester.rr.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [164971] Re: Cold = antenna work  
Message-ID: <40002D21.1080308@rochester.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

It was -10 when I took the dogs out at 6:30 this morning. I believe it  
\*just\* crept above 0. I've done tower work in these temps (when I was  
younger!), but a trip to the roof of the house seems rather treacherous  
today.

Al, K2ZN

-----  
Date: Sat, 10 Jan 2004 12:09:06 -0500  
From: Lee Mairs <lmairs@direcway.com>  
To: richlim11@yahoo.com,  
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [164972] Re: Cold = antenna work  
Message-ID: <00c401c3d79c\$76ba59a0\$0200a8c0@J4>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

Rich -

All you have done is prove the portion of antenna theory that all the PhD's and text book authors do not understand.

If you put up an antenna in warm weather, the sun and heat let out all the Mojo!

73 de Lee  
KM4YY/8

----- Original Message -----

From: "Richard Lim" <richlim11@yahoo.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Saturday, January 10, 2004 10:26 AM  
Subject: Cold = antenna work

> Well gang, I figured that since we just got our first significant snow  
> fall and that the temps have dropped to the 20's that it must be  
> antenna work time, right?  
>  
> I just finished re-adjusting my longwire antenna. Previously it was  
> about 25 ft up off the ground at the house and sloping down to a tree  
> at about 15ft. Now, I have the top of the antenna at at least 35-40 ft.  
> Wow, can't believe that a change in configuration like that would make  
> such a difference. Previously, my attic dipole on 40 was about 2 S  
> units below my long wire. Now it is 6-7 S units down from the longwire.  
> Furthermore, I can tune 80m to 1.1 SWR VS abt 2.0 - 2.5 SWR.  
>  
> The old adage about getting your antenna as high up as possible surely  
> was proven in my case. Just wanted to share my excitement!  
>  
> Rich  
>  
> -----  
> 72/73 DE KQ9L K1 #1669, K2 #3232  
> KX1 #21, FIST 10193, FP 548,  
> QRP ARCI 11129  
>  
>

-----  
Date: Sat, 10 Jan 2004 12:09:31 EST  
From: W0rw@aol.com  
To: qrp-1@lehigh.edu  
Subject: [164973] Converting the iambic Bencher to a Single Lever

Message-ID: <104.3d43ab0b.2d318bcb@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

i did a conversion to my old Bencher that works pretty well.

2 steps...

1. Cut a piece of solid plastic tubing 1/8 inch in diameter and about 5/16 long.

This is a spacer that goes in between the two paddles.

2. Place a piece of solid wire (Resistor lead) through the rivet hole on the paddle, through the spacer and through the other rivet hole.

Bend the lead ends over. This forms a spacer that will mechanically disable the iambic operation.

That's it...

If you want to obtain finer adjustment of the spring system, try this:

i added a spring tensioner to the Bencher. i drilled a hole in the rear spring post and inserted a "J" screw. The "J" hooks the spring and allows adjustment of the spring tension by adjusting the screw/nut going through the modified

spring post.

This makes the spring looser and adjustable.

Paul W0rw

-----

Date: Sat, 10 Jan 2004 12:27:19 EST  
From: W0rw@aol.com  
To: qrp-1@lehigh.edu  
Subject: [164974] KX1 Caution at Q6  
Message-ID: <73.39badb25.2d318ff7@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

As Elecraft has so carefully warned about the shorting of the PA Q6 (See Fig. 24 in the assembly manual).

i have found after about 5 additional disassembly and reassembly cycles, that there were microscopic metallic particles being scrapped off of the Q6 counter sunk mounting hole.

One of those particles caused a +12V short to ground.

Prior to reassembling the unit better use a microscope make sure the hole is free of these particles.

The mounting screw can bite the edge of the chassis and that can make these little particles if you take it apart frequently.

If you have not done any disassembly/reassembly, the area is



probably OK. Always check the +12 V line to ground after reassembling the unit.

Paul W0rW

-----  
Date: Sat, 10 Jan 2004 12:38:04 -0500  
From: John Sielke <jsielke@pobox.com>  
To: qrp-l@lehigh.edu  
Subject: [164975] Re: Cold = antenna work  
Message-ID: <4000387C.5040400@pobox.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

> It was -10 when I took the dogs out at 6:30 this morning. I believe it  
> \*just\* crept above 0. I've done tower work in these temps (when I was  
> younger!), but a trip to the roof of the house seems rather treacherous  
> today.

It is all the way up to 8 deg here in tropical Southern New Jersey. Go  
up on the roof? I may wait until spring to go out to the mailbox!

John W2AGN

-----  
Date: Sat, 10 Jan 2004 12:48:02 -0500  
From: Bruce Muscolino <w6toy@erols.com>  
To: qrp-l@lehigh.edu  
Subject: [164976] Computing (was QRP Computers)  
Message-ID: <40003AD2.CA5B6544@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Computing technology has changed over the last 50 years so much you  
would hardly know you were doing the same thing. Up through the late  
60s the slide rule was king for rapid "desktop" use. Their use  
continued for some time after among older engineers.

Small desktop calculators began to replace them in the 60s, but were  
initially hampered by size, lack of memory and functions, and battery  
technology. I can remember several TI units with "nixie" type displays  
that were the size of a small adding machine, did only 4 function math,  
and had to be kept plugged in to avoid memory loss. And to think, we

went to the moon with this technology! Anybody remember the Frieden Flexowriter?

I still have the first calculator I purchased. Incidentally it was also the first one offered to the public back around the early 60s. It was called the Bowmar Brain. It did 4 function math and had exactly no memory. It retailed for about \$120.00!

How easy those kids had it in the later engineering school classes. No big old slide rule hanging on their belts, just a small calculator in their briefcase! No romance, just little red answers!

Slide rules came in three different form factors. "Belt size", "Pocket size" and "circular". They were sold by Pickett and K&E, among other brands. Almost everybody bought the belt size on the impression that they would yield more accuracy. Actually there was almost no difference in your ability to read a 4 inch circular rule and a 12 inch belt rule. The circumference was about equal, but a circular slide rule didn't look so "neat" hanging from your belt! Circular slide rules are still in wide use in aviation. Older pilots may remember the Weems E6B navigation rules - they are simply a circular slide rule tailored for flying!

Electronic computers came in analog and digital varieties. The analog computers gave analog results, that is approximations. They were used to solve such things as fire control problems and missile approach problems. Problems where close enough was good enough.

Digital computers gave "exact" answers. Incidentally, older "fire" control computers, especially of the Vietnam era (remember, they had been in the fleet for maybe 10 years) may have been mechanical, gear driven, monstors, not necessarily electronic. Servo technology was very popular back then. Also, the major reason for using analog solutions for some problems back then was the lack of good solutions for peripheral sensors. Speed and direction sensors had yet to be well digitized.

But the digital computer was a multi-rack wonder through the late 70s. The "special purpose" computer used to solve the relatively simple satellite navigation problem on Submarines filled four submarine racks in 1964. The same surface ship system was 1/2 of a desktop rack in 1965. Neither had much memory back then, memory was core memory and very expensive!

In about mid-1970 came the PC. It started with the commodore Pet. I am purposefully skipping the IMSAI and other hobbyist machines of the early 70s. They were home built playthings that never caught up with the Bill Gates revolution in marketing. I bought an early TRS-80 and later an

Apple II. They were about the same where sheer computational power was concerned, but it was hard to beat Apple's screen graphics in 1982!

Of course, we've all seen the laptop revolution of the last 5 years, and we've seen the change from real computing devices to communications/entertainment devices being sold today. I wouldn't be surprised to see a return to the calculator!

Oh, is there any real difference between the computational power of an IBM 370 and a TRS-80? I don't think so. The 380 just had more peripheral devices available. In fact the CPU was slower!

Bruce

-----  
Date: Sat, 10 Jan 2004 10:55:03 -0700  
From: "John" <digi2@earthlink.net>  
To: <rbaxter@cybertrails.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [164977] Re: anyone build the DSW-2?  
Message-ID: <000a01c3d7a2\$e07ba820\$6401a8c0@HP5400>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Bob,

Since my DSW-II 20 went into kitting today, you could come to Tucson and play with it once I get it assembled. Of course there would be a slight hourly charge. I see that I am one day ahead of you for the DSW-II 40. I would expect the 20 should be here in a week or so. Hang in there.

John K7SVV

----- Original Message -----  
From: "Bob Baxter" <rbaxter@cybertrails.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Friday, January 09, 2004 11:29 PM  
Subject: Re: anyone build the DSW-2?

>  
>  
>  
> > I will echo all the sentiments - great rig and easy to work with. Even  
> tho

> > I have a K2, I would love to get a 40m version too!  
>  
> You guys are so persuasive you convinced me to order a 20M model. Now,  
what  
> am I going to do for the next two months while I'm waiting for it.?  
>  
> Bob Baxter AA7EQ  
> Bisbee, Az.  
>  
>

-----  
Date: Sat, 10 Jan 2004 13:33:30 -0500 (Eastern Standard Time)  
From: "Mike WA8BXN" <hubby2k@hotmail.com>  
To: <qrp-l@Lehigh.EDU>  
Subject: [164978] Scorpion paddle warning - finishing/wire  
Message-ID: <4000457A.000003.03712@etower>  
MIME-Version: 1.0  
Content-Type: Text/Plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

If you finish and lacquer the arms before attaching the ground wires, there is a good chance you will damage the finish if you use too much heat and it softens. I did this using a weller 80 W iron. Its overkill. I got just as good soldering results using a temperature controlled soldering station that I normally use for circuit assembly. I did use a dremel tool to hollow out (and clean) a small depression where the wire needs to go. Now on the other one I am reapplying the finish coat after having to resand off the original one damaged by the heat.

73/72 - Mike WA8BXN

-----  
Date: Sat, 10 Jan 2004 13:53:39 -0500  
From: "Thomas Lewis" <thomas\_h\_lewis@msn.com>  
To: jdanter@mail.i-america.net, qrp-l@Lehigh.EDU  
Subject: [164979] RE: Q: Compact Paddle Opinions  
Message-ID: <BAY5-F56jslLrbb4a1S0004e6d1@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

I'm reading your post while I'm buffing the brass on my new AzSQPion paddles. Check them out.

As for your question: I had an opportunity to examine the Code Warrior Jr. recently at the Tampa Bay Hamfest. I was really hot to get myself one. I thought they functioned fine. But I jut didn't think they were worth \$100. Just my observation and opinion.

Tom  
K4THL

>From: "jdanter" <jdanter@mail.i-america.net>  
>Reply-To: jdanter@mail.i-america.net  
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
>Subject: Q: Compact Paddle Opinions Date: Sat, 10 Jan 2004 06:41:07 -0500  
>  
>Interested in getting a new compact paddle.  
>  
>Anyone have experience:  
>  
>Nye SSK-001 Super Squeeze Key,  
>  
>or Vibroplex Code Warrior Jr. ?  
>  
>Thanks,  
>Jamie NE4TT  
>  
>---  
>[Pre-scanned for viruses by Internet America.]  
>

-----  
Find out everything you need to know about Las Vegas here for that getaway.  
<http://special.msn.com/msnbc/vivalasvegas.armx>

-----  
Date: Sat, 10 Jan 2004 13:13:05 -0600  
From: Chuck Carpenter <w5usj@9plus.net>  
To: qrp-1@lehigh.edu  
Subject: [164980] Re: Beacons: (arborial absorption)  
Message-ID: <3.0.2.32.20040110131305.008591b0@mail.9plus.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Seab,

Are the woods around you dense with fir trees, hemlock, pine, spruce etc?

I live in the middle of a dense woods but almost all hardwoods and mainly several varieties of oaks. There are only a few eastern cedars scattered around otherwise. Except for the opening cut through for this development, the woods are also thick with underbrush and briars -- very difficult to walk through.

My point is that I am not aware that I experience any sort of foliage attenuation with any of my antennas up through 70 cm. (Worked all 40 foxii last summer with the vertical only.) The thickest part of the woods is north and east of me and towards your direction. Browsing through Google for foliage attenuation subjects finds that most of the problems seem to be with Fir trees and frequencies related to cell phone operation. I've made lots a contacts (with a minimal station) toward the east and Europe on 6 meters.

At 11:13 AM 01/10/2004 -0500, you wrote:

>Howdy, Nick

>You raise an interesting point regarding absorption in the woods  
>with a vertical. I've never seen a work up on the subject, only  
>occasional comments and some experience.

>

>I can say anecdotally that absorption is an issue on bands 80m  
>thru 20m as I originally had a 66' c.f. vert. doublet hung from  
>a line at 70' between two biggies in the woods here when I first  
>moved in. I was happy at first, until I put a horizontal '66'  
>and there was no comparison on any band. I took the vert. out on  
>a couple of kite expeditions and it was an amazing performer and  
>loading was a lot easier, too.

>

>I now use '88's for most of my home and kite work, and only wish  
>I had the 100' trees to support a vertical one for A/B  
>comparisons.

>73

>seab

>aa1my

>

>

>

>Seabury & Sharon Lyon  
>99 Sparrowhawk Mtn Rd  
>Bethel ME, 04217 U.S.A.  
>207-836-2576

>

>Virus Protection by Norton and ZoneAlarm

>----- Original Message -----

>From: "Nick Kennedy" <wa5bdu@tcainternet.com>

>To: <sslyon@megalink.net>; "'Low Power Amateur Radio

>Discussion'" <qrp-1@Lehigh.EDU>  
>Sent: Saturday, January 10, 2004 10:40 AM  
>Subject: Re: 3 Beacons (absorption)  
>  
>  
>> Is absorption by trees really an issue all the way down to 80  
>meters?  
>> Not saying I know, I'd just thought that it wouldn't be.  
>>  
>> My 160 meter inverted L's vertical section runs practically up  
>the trunk  
>> of a 14 inch diameter sweet gum. I wonder if it's being  
>affected  
>> significantly.  
>>  
>> 72--Nick, WA5BDU  
>>  
>>  
>> -----Original Message-----  
>> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]  
>On Behalf  
>> Of sslyon  
>>  
>> I'd like to try a beacon from here, but can't use verticals  
>due to the  
>> absorption in these woods. Kind of hard to imagine unless  
>you've seen  
>> it, but one can't even walk thru the re-growth and undergrowth  
>in many  
>> places. I'd hang one just for fun but have been pressed for  
>time. (Real  
>> shame to miss the ideal antenna wx with minus 45 deg F wind  
>chill and  
>> drifting snow : ) Hasn't been above zero for a few days now.  
>73 seab  
>> Seabury & Sharon Lyon 99 Sparrowhawk Mtn Rd Bethel ME, 04217  
>U.S.A.  
>> 207-836-2576  
>>  
>  
>

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1  
QRP-ARCI #5422, QRP-L #1306, QRPp-I #115, ARS #1280, SOC #57  
Zombie #759, COG #11, 6 Club #201, FP #601 oo <http://www.netxqrp.org>

-----

Date: Sat, 10 Jan 2004 14:17:40 -0500  
From: Donald E Sanders <w4bws@juno.com>  
To: john@KN5L.net  
Cc: qrp-1@Lehigh.EDU, glowbugs@piobaire.mines.uidaho.edu  
Subject: [164981] Re: Free QST's to a good home  
Message-ID: <20040110.141908.-125823.0.w4bws@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I also have several boxes of old QST and CQ magazines.  
I live near Vero Beach, FL. If someone in Florida would  
like the books please contact me to arrange pickup some  
weekend. I need to clean out my storage unit.

My wife thank you.

Donald Sanders W4BWS  
PO Box 459  
Fellsmere, Fl 32948  
321-426-5023  
w4bws@juno.com

On Sat, 10 Jan 2004 10:30:54 -0600 John Oppenheimer <john@KN5L.net>  
writes:

> Time to clean, for a move. I have about 20 years of QSTs free for the  
taking,  
> Only three rules.  
> 1. You take one, you take them all.  
> 2. Local pickup only, Plano TX  
> 3. They will remain available until gone, no reserving.  
> John  
>  
>

Donald Sanders W4BWS  
PO Box 459  
Fellsmere, Fl 32948  
321-426-5023  
w4bws@juno.com

---

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---



Date: Sat, 10 Jan 2004 11:20:17 -0800  
From: John Somerville <forthman@shaw.ca>  
To: w6toy@erols.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [164982] Re: Computing (was QRP Computers)  
Message-ID: <40005071.8040006@shaw.ca>  
MIME-version: 1.0  
Content-type: text/plain; charset=ISO-8859-1; format=flowed  
Content-transfer-encoding: 7BIT

Bruce Muscolino wrote:

>...  
>Slide rules came in three different form factors. "Belt size", "Pocket  
>size" and "circular". ...  
>

I remember more than that. I used a 36" rule and a cylindrical rule. The cylindrical rule had the "advantage" that you need not turn it over for other scales. The 36 rule was pretty basic. Neither were ergonomic. For sums of squares we used Friden machines, when you used division they went: "kerchunk, kerchunk, kerchunk...". All sums, sums of squares, roots were written on to calculation forms, check and sometimes rechecked by others and then passed on to the statistician.

Regards John VE7CFG

-----  
Date: Sat, 10 Jan 2004 12:25:55 -0700  
From: Ken <kloc@commspeed.net>  
To: qrp-l@lehigh.edu  
Subject: [164983] Balun help needed...  
Message-ID: <5.2.1.1.2.20040110122305.00ad42e0@mail.commspeed.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

I bought a used balun and the tag is missing on it. The question is...is it a 1:1 or 4:1. I have a DVM and a freq. counter for test equipment. How can I determine which it is?

Thanks

Ken - WA4MNT

-----  
Date: Sat, 10 Jan 2004 13:53:59 -0600  
From: "rattray" <rattray@accesscomm.ca>  
To: "QRP-C" <qrp-canada@neale.gpfn.sk.ca>, "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [164984] Fox - Fox Hunt Teams Results...  
Message-ID: <000001c3d7b3\$801a7040\$7900a8c0@Bonnie>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Hunt # 21 - W0UFO -

QRP Cheeseheads - 74

Jerry - N9AW \*  
Rick - NK9G \*  
Gary - W9XT \*  
Lon - W9XU  
Jim - WA9TZE \*

Cajun Thunder - 68

Wayne - K5EOA \*  
Wayne - N5YFC  
Vern - AA50 \*  
Jim - N5IB  
Chris -KD5UDB \*

The Underdogs - 70

Dan - N4ROA \*  
Dennis - N4DD \*  
Bob - KB2FEL  
Dave - W0CH  
Ron - KI0II \*

Team Air Pork - 45

Wayne - K9DI  
Mike - KD5KXF  
Dave - AG4PJ \*  
Randy - W9HL  
Jerry - N0JRN \*

Raiders of the Lost RF - 34

Rob - VE6JAZ \*  
Craig - VE4WI \*  
Fred - VE3FAL  
Earl - VA6RF \*  
Bruce - VE5RC \*

The NE-TX Tornados - 84

Bill - K5JHP \*  
Don - K5DW \* Clean  
Doc - W5TB \* Sweep  
Lew - N5ZE \*  
George -W5YR \*

...please e-mail me direct with corrections, changes...tnx....

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -  
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -  
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

-----  
Date: Sat, 10 Jan 2004 20:19:03 +0000  
From: Mike B <kw1nd@comcast.net>  
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [164985] Re: FS: DSW-II 20 meter  
Message-ID: <40005E37.1090105@comcast.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

The DSW-II 20 meter rig has been sold.

--  
73,  
Mike Boice, KW1ND  
Karns, TN  
Behold the power of the penguin

-----  
Date: Sat, 10 Jan 2004 14:39:33 -0600  
From: kd5kxf <kd5kxf@classicnet.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [164986] Fox Prelim Log  
Message-ID: <200401101439.33070.kd5kxf@classicnet.net>  
MIME-Version: 1.0  
Content-Type: text/plain;

charset="us-ascii"  
Content-Transfer-Encoding: 7bit  
Content-Disposition: inline

Sorry about the delay... been busy week! Going thru my sloppy writing in my log is a chore, I am going to get a unix log program going on my FreeBSD box before the next outing! Special kudos to AB9CA, he found me and then we got hammered with RTTY QRM and he found exactly where I dropped down to and we got the exchange. FB OM, UR SIG WAS ALMOST AS IMPRESSIVE AS UR SKILL!!!

0200 N4ROA 559 VA DAN 5W  
0201 KOEVZ 559 NM DOC 5W  
0203 N9NE 559 WI TODD 5W  
0204 K3PH 559 PA BOB 3W  
0205 N9KW 559 IL JOHN 5W

0206 N4DD 559 TN DENNIS 5W  
0207 W9XU 559 WI LON 5W  
0208 N3BJ 559 VA ALAN 5W  
0210 KB9YIG IN TONY 2W  
0213 K8CV MI WALT 5W

0216 KV2X NY TOM 5W  
0217 K6VNX 559 CA ALEN 5W  
0225 WB8YRB 559 MI BOB 5W  
0229 W9XT 559 WI GARY 5W  
0230 N9AW 559 WI JERRY 5W

0233 WA8BXN 559 OH MIKE 5W  
0237 K4BYF 559 FL JACK 5W  
0238 DUPE  
0240 N1TP 559 FL TOM 5W  
0242 W4YN 559 NC TIM 5W

0244 W9HL 599 IL RANDY 5W  
0245 KW4JS 559 TN JOHN 5W  
0247 K8MIA 559 WV JIM 5W  
0248 K0LOA 559 TX DWAIN 5W  
0251 AL4LQ 559 FL MIKE 4W

0255 K9IS 559 WI STEVE 5W  
0300 K5JHP 599 TX BILL 5W  
0301 W5YR 599 TX GEORGE 5W  
0305 WA9TZE 559 WI JIM 5W  
0306 AG0T 559 TODD 5W  
0306 KOUU 559 MN XXX 5W

0309 WOANM 559 MN XXX 5W

0311 K4TJ 559 GA TOM 5W  
0315 KR0U 579 CO TIM 5W  
0318 K8KFJ 559 WV GARY 5W  
0320 K6XR 559 CA REGGIE 5W

0326 K9TJL 559 IW TJ 5W  
0328 KG0PP 559 CO JIM 5W  
0331 NK6A 559 CA DON 5W  
0332 K5SR 559 TX DOUG 5W  
0335 NK9N 559 WI NXX 5W

0336 W7ILW 559 AZ WALT 5W  
0338 K2PQ 559 NJ FRANK 5W  
0340 AB9CA AL DAVE 5W  
0346 NV4V 559 KY PETE 5W  
0348 KI0II 559 CO RON 5W

0348 AJ4AY 559 AL JAY 5W  
0350 KC1FB 559 CT JIM 5W  
0351 N0AR 559 RON 5W  
0353 W0TU 559 MO GEORGE 5W  
0354 W0IS 559 MN RICH 5W

0355 W0MPR 559 CO GREG 5W  
0358 KQ9L 559 IL RICH 5W

--

Mike Malone  
KD5KXF  
Balch Springs, Texas  
FP 214

-----  
Date: Sat, 10 Jan 2004 14:44:13 -0600  
From: kd5kxf <kd5kxf@classicnet.net>  
To: forthman@shaw.ca,  
    "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [164987] Re: Computing (was QRP Computers)  
Message-ID: <200401101444.13524.kd5kxf@classicnet.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Disposition: inline

I am of the first generation home computer users, and I have very fond

memories of typing in code on my Vic 20, Atari 800 and C64... even built a Sinclair. Couldnt afford a floppy drive back then so we used cassettes at my house... Magazines used to have program listings in them and when you wanted a new game you could type one right in... utilities too. I missed those days so I bought a C64 and C128 and am introducing my kids to 8 bit computing, still fun after all these years.

--

Mike Malone  
KD5KXF  
Balch Springs, Texas  
FP 214

-----

Date: Sat, 10 Jan 2004 15:35:13 -0500 (EST)  
From: Chris Cartwright <ccart@phideaux.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [164988] Re: Balun help needed...  
Message-ID: <Pine.LNX.4.21.0401101532550.29039-1000000@dns.phideaux.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 10 Jan 2004, Ken wrote:

> How can I determine which it is?

I would think if you put a 50 ohm dummy load on the output, and the SWR wasn't out of whack, it would be a 1:1, with 12.5 ohms, a 4:1. But I'm sorta guessing.

-- Chris Cartwright, Unix Administrator | ccart@phideaux.com --  
-- N3XRV ARRL-VE Norcal Zombie #163 | Oxford, PA 19363 FM29as --  
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

-----

Date: Sat, 10 Jan 2004 14:45:03 -0600  
From: "Nick Kennedy" <wa5bdu@tcainternet.com>  
To: <kloc@commspeed.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [164989] RE: [qrp-l] Balun help needed...  
Message-ID: <000901c3d7ba\$9fcf55c0\$0400000a@wa5bdu>  
MIME-Version: 1.0  
Content-Type: text/plain;

charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Hook up your rig, then SWR meter, then balun, then a 50 ohm load (either your antenna with low SWR or (preferred) a dummy load). If the SWR is low, it's a 1:1. If it's about 4:1, you have a 4:1 balun.

72--Nick, WA5BDU

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Ken

I bought a used balun and the tag is missing on it. The question is...is it a 1:1 or 4:1. I have a DVM and a freq. counter for test equipment. How can I determine which it is?

Thanks

Ken - WA4MNT

-----  
Date: Sat, 10 Jan 2004 15:44:26 -0500  
From: Lee Mairs <lmairs@direcway.com>  
To: w6toy@erols.com,  
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [164990] Re: Computing (was QRP Computers)  
Message-ID: <017001c3d7ba\$8d314090\$0200a8c0@J4>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

Bruce wrote:

> In about mis-1970 came the PC. It started with the commodore Pet. I am  
> purposefully skipping the IMSAI and other hobbyist machines of the early  
> 70s. They were home built playthings that never caught up with the Bill  
> Gates revolution in marketing.

They were hardly playthings. My hambrew Z80 machine with an IMSAI front panel ran Microsoft's original BASIC, the Digital Research CP/M OS, and the

first multi-tasking OS MP/M. There were also Fortran and PL/1 compilers for these machines as well as the first high quality word processing software - Word Star. The Bureau of Navy Personnel ran several econometric and force projection models on similar (not home brew) machines in the Navy Annex during the early 1980s.

BTW, the Mk 37 Gun Fire Control System used on most of the destroyers on Sea Dragon missions during Vietnam era had a massive analog computer (the Mk 1 Mod 1A, I think was its designation) that dated back to the end of WWII.

Just to clear the record...

73 de Lee  
KM4YY/8

----- Original Message -----

From: "Bruce Muscolino" <w6toy@erols.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Saturday, January 10, 2004 12:48 PM  
Subject: Computing (was QRP Computers)

> Computing technology has changed over the last 50 years so much you  
> would hardly know you were doing the same thing. Up through the late  
> 60s the slide rule was king for rapid "desktop" use. Their use  
> continued for some time after among older engineers.  
>  
> Small desktop calculators began to replace them in the 60s, but were  
> initially hampered by size, lack of memory and functions, and battery  
> technology. I can remember several TI units with "nixie" type displays  
> that were the size of a small adding machine, did only 4 function math,  
> and had to be kept plugged in to avoid memory loss. And to think, we  
> went to the moon with this technology! Anybody remember the Frieden  
> Flexowriter?  
>  
> I still have the first calculator I purchased. Incidentally it was also  
> the first one offered to the public back around the early 60s. It was  
> called the Bowmar Brain. It did 4 function math and had exactly no  
> memory. It retailed for about \$120.00!  
>  
> How easy those kids had it in the later engineering school classes. No  
> big old slide rule hanging on their belts, just a small calculator in  
> their briefcase! No romance, just little red answers!  
>  
> Slide rules came in three different form factors. "Belt size", "Pocket  
> size" and "circular". They were sold by Pickett and K&E, among other  
> brands. Almost everybody bought the belt size on the impression that



> they would yield more accuracy. Actually there was almost no difference  
> in your ability to read a 4 inch circular rule and a 12 inch belt rule.  
> The circumference was about equal, but a circular slide rule didn't look  
> so "neat" hanging from your belt! Circular slide rules are still in  
> wide use in aviation. Older pilots may remember the Weems E6B  
> navigation rules - they are simply a circular slide rule tailored for  
> flying!

>

> Electronic computers came in analog and digital varieties. The analog  
> computers gave analog results, that is approximations. They were used  
> to solve such things as fire control problems and missile approach  
> problems. Problems where close enough was good enough.

>

> Digital computers gave "exact" answers. Incidentally, older "fire"  
> control computers, especially of the Vietnam era (remember, they had  
> been in the fleet for maybe 10 years) may have been mechanical, gear  
> driven, monstrosities, not necessarily electronic. Servo technology was very  
> popular back then. Also, the major reason for using analog solutions  
> for some problems back then was the lack of good solutions for  
> peripheral sensors. Speed and direction sensors had yet to be well  
> digitized.

>

> But the digital computer was a multi-rack wonder through the late 70s.  
> The "special purpose" computer used to solve the relatively simple  
> satellite navigation problem on Submarines filled four submarine racks  
> in 1964. The same surface ship system was 1/2 of a desktop rack in  
> 1965. Neither had much memory back then, memory was core memory and  
> very expensive!

>

> In about mid-1970 came the PC. It started with the Commodore Pet. I am  
> purposefully skipping the IMSAI and other hobbyist machines of the early  
> 70s. They were home built playthings that never caught up with the Bill  
> Gates revolution in marketing. I bought an early TRS-80 and later an  
> Apple II. They were about the same where sheer computational power was  
> concerned, but it was hard to beat Apple's screen graphics in 1982!

>

> Of course, we've all seen the laptop revolution of the last 5 years, and  
> we've seen the change from real computing devices to  
> communications/entertainment devices being sold today. I wouldn't be  
> surprised to see a return to the calculator!

>

> Oh, is there any real difference between the computational power of an  
> IBM 370 and a TRS-80? I don't think so. The 380 just had more  
> peripheral devices available. In fact the CPU was slower!

>

> Bruce

>

>

-----  
Date: Sat, 10 Jan 2004 14:48:36 -0600  
From: "J. Michael Thurman" <jmthurman@centurytel.net>  
To: <w6toy@erols.com>,  
    "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [164991] RE: Computing (was QRP Computers)  
Message-ID: <LFEDLPKPGGKLEMOMICIBGEFKCPAA.jmthurman@centurytel.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

In the summer of 1990 I did an engineering internship at an electric motors and drives manufacturer. A friend, who attended Purdue, and I had just purchased new HP48G calculators. Man, this thing does Diff. E., wireframe plots, has a visual formula writer, plus it will do RPN and play minesweeper (turn the sound off during class, please)!!!!

One day Steve and I were playing with our new toys when the boss, ( VP Engineering, PhD, former professor in the ME department at the University of Arkansas) called us in. He also called in Stan Brandeis. (If you have seen Apollo 13, Stan is the spitting image of a NASA engineer from anywhere in the lat 50's to late 60's... crew cut, horn rims, short sleeved white shirt, thin black tie, dark slacks, wingtips.) The good doctor proposed a contest. Steve and I, and our calculators, against Stan, his horn rims, and slide rule. If it had been a shoot out, Steve and I wouldn't have even cleared leather before dying. Stan had solved the equation before we could get the parameters entered. There remains the possibility that the professor rigged the exam, but Stan was always quick on the draw...and quick with the right solution.

This makes me think that the old way is not necessarily a bad way...especially when my 15 year old sister-in-law asks for help with her math homework. The child can't even recite her multiplication tables thanks to dependence on the calculator. Of course, I can't multiply three or four digit numbers together in my head, but my peanut farming, eighth-grade graduate grandfather ( who was born in 1904) could... and was he FAST.

Ah, progress. Thanks for the spare electrons.

73,  
Michael  
WN5T  
Lamar, AR

-----  
Date: Sat, 10 Jan 2004 16:04:51 -0500  
From: "Paul Valko - W8KC" <w8kc@comcast.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Cc: <tentec@contesting.com>  
Subject: [164992] Re: Monday Stream - 7.040 returns  
Message-ID: <001501c3d7bd\$64208730\$6601a8c0@hamshack1>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello Friends,

The W8KC audio stream is flowing again today, back on the  
ever-popular 7.040MHz.

Take a moment and enjoy listening to the 40M QRP calling  
frequency, as it sounds here in the northern suburbs of Detroit:  
<http://www.w8kc.com/stream.aspx>

You might even hear yourself... it's happened. Give it a listen  
if you get the chance. eSWL reports appreciated.

It's my Corsair with the 1.8kc filter in line. Ant is a full wave dipole  
with ladder line through an LDG AT-11 about 30 miles north of Detroit.

73! =paul= W8KC  
Collector of Ten\*Tecs and other fine plastics.  
Visit the Virtual Ten\*Tec Museum at <http://mywebpages.comcast.net/w8kc>

-----  
Date: Sat, 10 Jan 2004 13:05:56 -0800  
From: Bob Nielsen <nielsen@oz.net>  
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [164993] Re: Computing (was QRP Computers)  
Message-ID: <20040110210556.GD14832@bob>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

On Sat, Jan 10, 2004 at 11:20:17AM -0800, John Somerville wrote:

> Bruce Muscolino wrote:

>

> >...

> >Slide rules came in three different form factors. "Belt size", "Pocket  
> >size" and "circular". ...

> >

>

> I remember more than that. I used a 36" rule and a cylindrical  
> rule. The cylindrical rule had the "advantage" that you need not turn  
> it over for other scales. The 36 rule was pretty basic. Neither were  
> ergonomic. For sums of squares we used Friden machines, when you used  
> division they went: "kerchunk, kerchunk, kerchunk...". All sums, sums  
> of squares, roots were written on to calculation forms, check and  
> sometimes rechecked by others and then passed on to the statistician.

I have fond memories of Friden calculators, including doing square  
roots on machines which did not have the root key. It got to be almost  
automatic, like touch typing. My first job out of High School (47  
years ago) was analyzing flight test data at Douglas Aircraft,  
something which has now been taken over by computers, of course. This  
made extensive use of Friden calculators. The last task I did before  
quitting to attend college was to encode all the data from a flight on  
punch cards so they could see if the computer got the same answers I  
did.

Bob, N7XY

-----

Date: Sat, 10 Jan 2004 15:14:32 -0600

From: Chuck Carpenter <w5usj@9plus.net>

To: qrp-l@lehigh.edu

Cc: "Jeff Imel" <jeffimel@hotmail.com>, "Bill Walker" <wv7g@arrl.net>

Subject: [164994] 3 Beacons Tonite on 80 -- One More Time

Message-ID: <3.0.2.32.20040110151432.00853be0@mail.9plus.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

OK Folks,

One more time -- 3 Beacons for triple the fun. Please report just the  
signal strength and time. No need to repeat the whole beacon message. Any  
info about conditions and equipment also appreciated.

3729 kHz Jeff, KB9ZUR/B 0200 to 0600 at 1.3 W

QSL to -- maitto:jeffimel@hotmail.com

3730 kHz Chuck, W5USJ/B 0200/0500 at 2.5 W, 0500/1200 at 1W -- FT-817

QSL to -- mailto:w5usj@arrl.net

3731 kHz Bill, WV7G/B 0200 to 0500 at 5 W -- FT-857

QSL to -- mailto:wv7g@arrl.net

Thanks again to all who have participated. The QRP possibilities on 80 appear to be quite practical. Hope to work many of you on 80 in the coming weeks (while the noise level is still low.)

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1  
QRP-ARCI #5422, QRP-L #1306, QRPp-I #115, ARS #1280, SOC #57  
Zombie #759, COG #11, 6 Club #201, FP #601 oo <http://www.netxqrp.org>

-----  
Date: Sat, 10 Jan 2004 16:50:05 -0500  
From: "sslyon" <sslyon@megalink.net>  
To: <w5usj@9plus.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [164995] Re: Beacons: (arboreal absorption)  
Message-ID: <001701c3d7c3\$b57bf460\$13c8e742@megalink.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Yes, in fact, the tallest trees here are cathedral (white) pine, but they're much less prevalent than the Doug Fir and Hemlock, which is nearly as tall. Most of the forest on this hill is evergreen with patches of white birch and a few maples. The canopy roof is at roughly 45' on average with some at 60' to 70', which is where I hang wire : )

Before moving to ME, I contested with W1QK and YCCC groups in CT and we found forest absorption severe (3-12 db) above 6M all the way to 1296, esp. in rain/snow and with vert. polarization when we FM'd in contests. We had 55' crank-ups and could definitely hear the diff. as we cleared the canopy around our abandoned and overgrown radar site.

Didn't do any low band observations, nor have I seen serious studies at the lower freqs. I'll make it a point to do that tho,

since a kite would be the ideal vehicle to hoist a vertical dipole from BELOW to ABOVE Tree Level for evaluating the effects. Thanks for instigating an interesting project.

73

seab

aa1my

-----  
Date: Sat, 10 Jan 2004 16:51:20 -0500  
From: "Jeff Imel" <jeffimel@hotmail.com>  
To: <qrp-l@lehigh.edu>  
Subject: [164996] KB9ZUR/B Station Information  
Message-ID: <BAY9-DAV52nU61rXSty00028af9@hotmail.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

KB9ZUR/B will be using an ICOM IC-703 and an 80 meter NVIS antenna system . This system includes a ground mounted reflector. For those of you in Indiana, Ohio, Illinois, Michigan and Kentucky that could not hear me last evening, you should be able to hear me tonight as this antenna system provides almost 400 miles solid coverage on 40 meters. I have never used a system like this on 80 meters so this should be a fun experiment tonight.

Power output tonight will be around 2 watts.

The 80 meter dipole will be mounted 10 feet off of the ground with a reflector directly under it. We will be installing the antenna in about 1 hour.

Hope you can hear me on 3729 kHz NVIS starting at 0200 UTC.

72

Jeff  
KB9ZUR

-----  
Date: Sat, 10 Jan 2004 14:42:12 -0800  
From: Bob W7AVK <rsrolfne@atnet.net>  
To: jmthurman@centurytel.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [164997] Re: Computing (was QRP Computers)

Message-ID: <40007FC4.935CE5EC@atnet.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Michael - I did my engineering on a 10 inch POST given I graduated in 1961. What you have forgotten is to get the correct answer with a slide rule you needed to keep track of the "order of magnitude" in your head. Some folks became very good at this and it wasn't much of an extension to where they could almost look at the numbers and come close.

Even now I do or look at problems in powers of ten. A technique the youngsters don't understand.

73 Bob W7AVK

"J. Michael Thurman" wrote:

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> and drives manufacturer. A friend, who attended Purdue, and I had just  
> purchased new HP48G calculators. Man, this thing does Diff. E., wireframe  
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> four digit numbers together in my head, but my peanut farming, eighth-grade  
> graduate grandfather ( who was born in 1904) could... and was he FAST.

>

> Ah, progress. Thanks for the spare electrons.

>

> 73,

> Michael

> WN5T  
> Lamar, AR

-----  
Date: Sat, 10 Jan 2004 18:03:45 -0500  
From: Lee Mairs <lmairs@direcway.com>  
To: qrp1 <qrp-1@Lehigh.EDU>  
Cc: Allen Feldman <Allen.Feldman@faa.gov>  
Subject: [164998] AZ ScQRPians Kit  
Message-ID: <002801c3d7ce\$04746e80\$0200a8c0@J4>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

I am totally stoked with the way my AZ ScQRPians paddles #137 came out. All the sanding (down to 1500 grit) and lacquer disasters were finally worth it. The darn thing is as good to send with as any of my high dollar paddles including maybe even my G4ZPY original.

If you don't get any order in, you well really be sorry. You just can't beat it for only \$25 including postage. Of course there was a day full of sanding so that I no longer have fingerprints and I lacquer all over the TV room...

These guys have got to be sick and tired of cutting and drilling brass stock and filling envelopes with tiny screws, shoulder washers and so forth. Once they quit, there won't be any more, and you will have missed out on a really good deal!

73 de Lee  
KM4YY/8

-----  
Date: Sat, 10 Jan 2004 23:36:48 -0000  
From: "Juan Ferrari" <puntrad@usa.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>,  
"Piggies-L" <fpqrp-1@mpna.com>  
Subject: [164999] Cabrillo logs  
Message-ID: <00a301c3d7d2\$9f27de40\$d6454b43@puntana.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit



Hi Gang.

I received in the ARRL news letter the link to this page where you can enter your log info and generates the cabrillo log and submits it to the ARRL. The page is:

<http://www.b4h.net/cabforms>

and is available for the ARRL RTTY contest up today. Other ARRL contest will be added.

I used it and worked like a champ.

72

Juan - KG4FSN

-----  
Date: Sat, 10 Jan 2004 23:43:01 +0000  
From: Chuck Adams <k7qo@commspeed.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [165000] Re: AZ ScQRPions Kit  
Message-ID: <5.2.1.1.0.20040110233728.00b37b08@mail.commspeed.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 06:03 PM 1/10/2004 -0500, Lee Mairs wrote:

>...snip...

> Of course there was a day full of  
>sanding so that I no longer have fingerprints ...

>

>,,,snip...

>73 de Lee

>KM4YY/8

If you really really want to save some time on the fingerprints, then you might consider a stop at one of the drug stores like Walgreens and pick up some surgical gloves. I find that they save a lot of wear and tear on projects that require you to keep the greasy grimy fingers off the surface. And brass usually has some stuff that really requires some strong soap and scrubbing to come off the hands while working with it.

Neat the way I cut and edited the post... Yes, the gloves will save your fingerprints for all the agencies that are interested in your keeping them.

FYI

Chuck Adams K7QO k7qo@commspeed.net  
http://www.qsl.net/k7qo CP-60

Moving to Arizona? Please bring your own water.

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End of QRP-L Digest 3161

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